

SEQUENCE LISTING

<110> Menarini International Operation Luxembourg S.A.
<120> MUC16 FRAGMENTS WITH ANTIGENIC ACTIVITY AND PHARMACEUTICAL
COMPOSITIONS THEREOF
<130> 8325MEUR
<160> 65
<170> PatentIn version 3.3
<210> 1
<211> 19
<212> PRT
<213> Homo sapiens
<400> 1

Arg Leu Thr Leu Leu Arg Ser Glu Lys Asp Gly Ala Ala Thr Gly Val
1 5 10 15

Asp Ala Ile

<210> 2
<211> 19
<212> PRT
<213> Homo sapiens
<400> 2

Arg Leu Thr Ser Leu Arg Ser Glu Lys Asp Gly Ala Ala Thr Gly Val
1 5 10 15

Asp Ala Ile

<210> 3
<211> 19
<212> PRT
<213> Homo sapiens
<400> 3

Arg Leu Thr Leu Leu Arg Pro Glu Lys Asp Gly Ala Ala Thr Gly Val
1 5 10 15

Asp Ala Ile

<210> 4
<211> 19
<212> PRT
<213> Homo sapiens

<400> 4

Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu	Lys	His	Gly	Ala	Ala	Thr	Gly	Val
1				5					10					15	

Asp Ala Ile

<210> 5

<211> 19

<212> PRT

<213> Homo sapiens

<400> 5

Arg	Leu	Ile	Ser	Leu	Arg	Ser	Glu	Lys	Asp	Gly	Ala	Ala	Thr	Gly	Val
1				5					10					15	

Asp Ala Ile

<210> 6

<211> 19

<212> PRT

<213> Homo sapiens

<400> 6

Arg	Leu	Thr	Leu	Leu	Arg	Pro	Lys	Lys	Asp	Gly	Ala	Ala	Thr	Gly	Val
1				5					10					15	

Asp Ala Ile

<210> 7

<211> 19

<212> PRT

<213> Homo sapiens

<400> 7

Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu	Lys	Asp	Gly	Thr	Ala	Thr	Gly	Val
1				5					10					15	

Asp Ala Ile

<210> 8

<211> 19

<212> PRT

<213> Homo sapiens

<400> 8

3

Arg Leu Thr Leu Leu Arg Pro Glu Lys Arg Gly Ala Ala Thr Gly Val
1 5 10 15

Asp Thr Ile

<210> 9
<211> 19
<212> PRT
<213> Homo sapiens

<400> 9

Arg Leu Thr Leu Leu Arg Pro Glu Lys Asp Gly Ala Ala Thr Arg Val
1 5 10 15

Asp Ala Val

<210> 10
<211> 19
<212> PRT
<213> Homo sapiens

<400> 10

Arg Leu Thr Leu Leu Arg Pro Glu Lys Asn Gly Ala Ala Thr Gly Met
1 5 10 15

Asp Ala Ile

<210> 11
<211> 19
<212> PRT
<213> Homo sapiens

<400> 11

Arg Leu Thr Leu Leu Arg Pro Lys Lys Asp Gly Ala Ala Thr Lys Val
1 5 10 15

Asp Ala Ile

<210> 12
<211> 19
<212> PRT
<213> Homo sapiens

<400> 12

Arg Leu Thr Leu Leu Arg Pro Glu Lys Asp Gly Ala Ala Thr Arg Val
1 5 10 15

Asp Ala Ala

<210> 13
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 13

Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu	Lys	Asp	Lys	Ala	Ala	Thr	Arg	Val
1				5					10					15	

Asp Ala Ile

<210> 14
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 14

Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu	Lys	Asp	Gly	Val	Ala	Thr	Arg	Val
1				5					10					15	

Asp Ala Ile

<210> 15
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 15

Arg	Leu	Thr	Ser	Leu	Arg	Pro	Glu	Lys	Asp	Gly	Ala	Ala	Thr	Gly	Met
1				5					10					15	

Asp Ala Val

<210> 16
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 16

Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu	Lys	Gln	Glu	Ala	Ala	Thr	Gly	Val
1				5					10					15	

Asp Thr Ile

<210> 17
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 17

Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu	Lys	His	Glu	Ala	Ala	Thr	Gly	Val
1				5					10					15	

Asp Thr Ile

<210> 18
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 18

Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu	Lys	Asp	Gly	Glu	Ala	Thr	Gly	Val
1				5					10					15	

Asp Ala Ile

<210> 19
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 19

Arg	Leu	Thr	Thr	Leu	Arg	Pro	Lys	Lys	Asp	Gly	Ala	Ala	Thr	Lys	Val
1				5					10					15	

Asp Ala Ile

<210> 20
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 20

Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu	Lys	Asn	Gly	Ala	Thr	Thr	Gly	Met
1				5					10					15	

Asp Ala Ile

<210> 21
 <211> 19

<212> PRT
 <213> Homo sapiens

<400> 21

Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu	Lys	Asn	Gly	Ala	Ala	Thr	Arg	Val
1				5					10					15	

Asp Ala Val

<210> 22
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 22

Arg	Leu	Ala	Ser	Leu	Arg	Pro	Glu	Lys	Asp	Ser	Ser	Ala	Met	Ala	Val
1				5					10					15	

Asp Ala Ile

<210> 23
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 23

Arg	Leu	Thr	Leu	Leu	Arg	Ser	Glu	Lys	Asp	Gly	Ala	Ala	Thr	Gly
1				5					10					15

<210> 24
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 24

Leu	Thr	Leu	Leu	Arg	Ser	Glu	Lys	Asp	Gly	Ala	Ala	Thr	Gly	Val
1				5					10					15

<210> 25
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 25

Thr	Leu	Leu	Arg	Ser	Glu	Lys	Asp	Gly	Ala	Ala	Thr	Gly	Val	Asp
1				5					10					15

<210> 26

<211> 15
 <212> PRT
 <213> Homo sapiens

<400> 26

Leu Leu Arg Ser Glu Lys Asp Gly Ala Ala Thr Gly Val Asp Ala
 1 5 10 15

<210> 27
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 27

Leu Arg Ser Glu Lys Asp Gly Ala Ala Thr Gly Val Asp Ala Ile
 1 5 10 15

<210> 28
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 28

Arg Leu Thr Leu Leu Arg Pro Glu Lys Asp Gly Ala Ala Thr Gly
 1 5 10 15

<210> 29
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 29

Leu Thr Leu Leu Arg Pro Glu Lys Asp Gly Ala Ala Thr Gly Val
 1 5 10 15

<210> 30
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 30

Thr Leu Leu Arg Pro Glu Lys Asp Gly Ala Ala Thr Gly Val Asp
 1 5 10 15

<210> 31
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 31

Leu Leu Arg Pro Glu Lys Asp Gly Ala Ala Thr Gly Val Asp Ala
 1 5 10 15

<210> 32
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 32

Leu Arg Pro Glu Lys Asp Gly Ala Ala Thr Gly Val Asp Ala Ile
 1 5 10 15

<210> 33
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 33

Arg Leu Thr Leu Leu Arg Ser Glu Lys Asp Gly Ala
 1 5 10

<210> 34
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 34

Leu Thr Leu Leu Arg Ser Glu Lys Asp Gly Ala Ala
 1 5 10

<210> 35
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 35

Thr Leu Leu Arg Ser Glu Lys Asp Gly Ala Ala Thr
 1 5 10

<210> 36
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 36

Leu Leu Arg Ser Glu Lys Asp Gly Ala Ala Thr Gly
 1 5 10

<210> 37
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 37

9

Leu Arg Ser Glu Lys Asp Gly Ala Ala Thr Gly Val
 1 5 10

<210> 38
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 38

Arg Ser Glu Lys Asp Gly Ala Ala Thr Gly Val Asp
 1 5 10

<210> 39
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 39

Ser Glu Lys Asp Gly Ala Ala Thr Gly Val Asp Ala
 1 5 10

<210> 40
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 40

Glu Lys Asp Gly Ala Ala Thr Gly Val Asp Ala Ile
 1 5 10

<210> 41
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 41

Arg Leu Thr Leu Leu Arg Pro Glu Lys Asp Gly Ala
 1 5 10

<210> 42
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 42

Leu Thr Leu Leu Arg Pro Glu Lys Asp Gly Ala Ala
 1 5 10

<210> 43
 <211> 12
 <212> PRT

<213> Homo sapiens

<400> 43

Thr	Leu	Leu	Arg	Pro	Glu	Lys	Asp	Gly	Ala	Ala	Thr
1				5					10		

<210> 44

<211> 12

<212> PRT

<213> Homo sapiens

<400> 44

Leu	Leu	Arg	Pro	Glu	Lys	Asp	Gly	Ala	Ala	Thr	Gly
1				5						10	

<210> 45

<211> 12

<212> PRT

<213> Homo sapiens

<400> 45

Leu	Arg	Pro	Glu	Lys	Asp	Gly	Ala	Ala	Thr	Gly	Val
1				5						10	

<210> 46

<211> 12

<212> PRT

<213> Homo sapiens

<400> 46

Arg	Pro	Glu	Lys	Asp	Gly	Ala	Ala	Thr	Gly	Val	Asp
1				5					10		

<210> 47

<211> 12

<212> PRT

<213> Homo sapiens

<400> 47

Pro	Glu	Lys	Asp	Gly	Ala	Ala	Thr	Gly	Val	Asp	Ala
1				5					10		

<210> 48

<211> 9

<212> PRT

<213> Homo sapiens

<400> 48

Arg	Leu	Thr	Leu	Leu	Arg	Pro	Glu	Lys
1					5			

<210> 49
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 49

Leu Thr Leu Leu Arg Pro Glu Lys Asp
 1 5

<210> 50
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 50

Thr Leu Leu Arg Pro Glu Lys Asp Gly
 1 5

<210> 51
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 51

Leu Leu Arg Pro Glu Lys Asp Gly Ala
 1 5

<210> 52
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 52

Leu Arg Pro Glu Lys Asp Gly Ala Ala
 1 5

<210> 53
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 53

Arg Pro Glu Lys Asp Gly Ala Ala Thr
 1 5

<210> 54
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 54

Pro Glu Lys Asp Gly Ala Ala Thr Gly
1 5

<210> 55
<211> 9
<212> PRT
<213> Homo sapiens

<400> 55

Glu Lys Asp Gly Ala Ala Thr Gly Val
1 5

<210> 56
<211> 9
<212> PRT
<213> Homo sapiens

<400> 56

Lys Asp Gly Ala Ala Thr Gly Val Asp
1 5

<210> 57
<211> 9
<212> PRT
<213> Homo sapiens

<400> 57

Asp Gly Ala Ala Thr Gly Val Asp Ala
1 5

<210> 58
<211> 9
<212> PRT
<213> Homo sapiens

<400> 58

Gly Ala Ala Thr Gly Val Asp Ala Ile
1 5

<210> 59
<211> 9
<212> PRT
<213> Homo sapiens

<400> 59

Arg Leu Thr Leu Leu Arg Ser Glu Lys
1 5

<210> 60
<211> 9
<212> PRT

<213> Homo sapiens

<400> 60

Leu Thr Leu Leu Arg Ser Glu Lys Asp
1 5

<210> 61

<211> 9

<212> PRT

<213> Homo sapiens

<400> 61

Thr Leu Leu Arg Ser Glu Lys Asp Gly
1 5

<210> 62

<211> 9

<212> PRT

<213> Homo sapiens

<400> 62

Leu Leu Arg Ser Glu Lys Asp Gly Ala
1 5

<210> 63

<211> 9

<212> PRT

<213> Homo sapiens

<400> 63

Leu Arg Ser Glu Lys Asp Gly Ala Ala
1 5

<210> 64

<211> 9

<212> PRT

<213> Homo sapiens

<400> 64

Arg Ser Glu Lys Asp Gly Ala Ala Thr
1 5

<210> 65

<211> 9

<212> PRT

<213> Homo sapiens

<400> 65

Ser Glu Lys Asp Gly Ala Ala Thr Gly
1 5