

Activin A Sequence Listing_ST25.txt
SEQUENCE LISTING

<110> Hatsell, Sarah J.
Economides, Aris N.

<120> Treatment Of Fibrodysplasia Ossificans Progressiva

<130> 057766/UPDATE

<160> 24

<170> PatentIn version 3.5

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Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Phe Ser Ser His
20 25 30

Phe Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45

Gly Tyr Ile Leu Tyr Thr Gly Gly Thr Ser Phe Asn Pro Ser Leu Lys
50 55 60

Ser Arg Val Ser Met Ser Val Gly Thr Ser Lys Asn Gln Phe Ser Leu
65 70 75 80

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Ala Arg Ser Gly Ile Thr Phe Thr Gly Ile Ile Val Pro Gly Ser
100 105 110

Phe Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120 125

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Activin A Sequence Listing_ST25.txt

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Gly Gly Ser Phe Ser Ser His Phe
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Ile Leu Tyr Thr Gly Gly Thr
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Ala Arg Ala Arg Ser Gly Ile Thr Phe Thr Gly Ile Ile Val Pro Gly
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Ser Phe Asp Ile
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Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly
1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser
20 25 30

Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu
35 40 45

Ile Tyr Gly Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser
50 55 60

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Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
65 70 75 80

Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Gly Ser Ser Pro
85 90 95

Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

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Gln Ser Val Ser Ser Ser Tyr
1 5

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Gly Ala Ser
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<400> 8

Gln Gln Tyr Gly Ser Ser Pro Trp Thr
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Activin A Sequence Listing_ST25.txt

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Lys Ala Ser Gly Phe Ala Phe Asp Asp Phe
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Gly Ile Val Trp Asn Ser Gly Asp Ile Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Leu Asn Ser Leu Arg Thr Glu Asp Thr Ala Leu Tyr Phe Cys
85 90 95

Val Lys Asp Met Val Arg Gly Leu Met Gly Phe Asn Tyr Tyr Gly Met
100 105 110

Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120 125

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Gly Phe Ala Phe Asp Asp Phe Ala
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Ile Val Trp Asn Ser Gly Asp Ile
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<400> 12

Val Lys Asp Met Val Arg Gly Leu Met Gly Phe Asn Tyr Tyr Gly Met
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Asp Val

<210> 13

<211> 107

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Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly
 1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Thr Ile Ser Thr Tyr
 20 25 30

Leu Val Trp Tyr Arg Gln Arg Pro Gly Gln Ala Pro Ser Leu Leu Ile
 35 40 45

Tyr Asp Ala Ser Asn Arg Ala Thr Asp Ile Pro Ala Arg Phe Ser Gly
 50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro
 65 70 75 80

Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Ser Asn Trp Pro Ile
 85 90 95

Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys
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Activin A Sequence Listing_ST25.txt

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Gln Thr Ile Ser Thr Tyr
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Asp Ala Ser
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<210> 16

<211> 9

<212> PRT

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Gln Gln Arg Ser Asn Trp Pro Ile Thr
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<210> 17

<211> 106

<212> PRT

<213> Homo sapiens

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Ser Tyr Glu Val Thr Gln Ala Pro Ser Val Ser Val Ser Pro Gly Gln
1 5 10 15

Thr Ala Ser Ile Thr Cys Ser Gly Asp Lys Leu Gly Asp Lys Tyr Ala
20 25 30

Cys Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr
35 40 45

Gln Asp Ser Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
50 55 60

Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala Met
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Trp Asp Ser Ser Thr Ala Val
85 90 95

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Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
100 105

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

<400> 18

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Gly Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Ile Pro Tyr Asn Gly Asn Thr Asn Ser Ala Gln Lys Leu
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Arg Asp Arg Asp Tyr Gly Val Asn Tyr Asp Ala Phe Asp Ile Trp
100 105 110

Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 19
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<212> PRT
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<400> 19

Ser Gly Asp Lys Leu Gly Asp Lys Tyr Ala Cys
1 5 10

<210> 20
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<400> 20

Activin A Sequence Listing_ST25.txt

Gln Asp Ser Lys Arg Pro Ser
1 5

<210> 21
<211> 9
<212> PRT
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Gln Ala Trp Asp Ser Ser Thr Ala Val
1 5

<210> 22
<211> 10
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<213> Homo sapiens
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Gly Tyr Thr Phe Thr Ser Tyr Gly Leu Ser
1 5 10

<210> 23
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<212> PRT
<213> Homo sapiens
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Trp Ile Ile Pro Tyr Asn Gly Asn Thr Asn Ser Ala Gln Lys Leu Gln
1 5 10 15

Gly

<210> 24
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<213> Homo sapiens
<400> 24

Asp Arg Asp Tyr Gly Val Asn Tyr Asp Ala Phe Asp Ile
1 5 10