

Gene: PMP22 - Sequence: NG_007949.1
Date : January 9, 2015

Exon 1 | Start: 1 | End: 174 | Length: 173

agaattcactgggaggggaggggagccagtgggacctcttggctattacacaggttggca
cttcagagagaacagtcttggcatcacaggcttcaggcataactcaaagctcttctccct
tctgattccagtttctccatgccctgcagggcctcttgggattattgtattctggaaagc
aaacaaagttggacactgtctctttaataatagaggctgagaacctctcaggccaccat
gacatatcccagcattggaccagcccctgaataaactggaaagacgcctggtctggcttc
|-199 |-189 |-179 |-169 |-159 |-149
CAGTTACAGGGAGCACCAACAGGGAACATCTCGGGGAGCCTGGTTGGAAGCTGCAGGCTT
|-139 |-129 |-119 |-109 |-99 |-89
AGTCTGTCGGCTGCGGGTCTCTGACTGCCCTGTGGGGAGGGTCTTGCCTTAACATCCCTT
|-79 |-69 |-59 |-49 |-39
GCATTTGGCTGCAAAGAAATCTGCTTGGAAGAAGGGTTACGCTGTTTGGCCGGgtgagt
tttattggcaaactgtgcctctgggtgatgtgtgcctatgctttacaagaattgccta
ttccccccccctgcaagccgcaaatgaaaaggattgcaggagagatggtgcatttgtgtt
ggaattgactggagattcagagggtttttatatccttgggttaaagggtggatatatact
ctggctggggaggtggggggccatctgagagcatctagaaaccctaatacatccagattg
aaaggaagaaaggaatctagatgctttttcccccattgaaaatagctgtgcaca

Exon 2 | Start: 175 | End: 286 | Length: 111

cccctccgttccttgggtgggttttagacgtgcgaaccgcttgtttgtttccaaaagcaa
aagatgttccgttgaggcgggcccggtgggcgctgggcactgggcgctggtcctgcag
ggcgctgctgccccctctcggcggcaggcggcgcgaaggctcctgacccgcgcgggcggt

cgggctgcgggcgctgggccaggccgggccttccgctagtgcgcgggaccctccctctgc
 gcgcgcctccgtcgtcggcccagtgcggttcggcctcacgcccagcgtctcctcgagg
 | -29 | -19 | -9 | 1 | 11 | 21
 GCAGAACTCCGCTGAGCAGAACTTGCCGCCAGAATGCTCCTCCTGTTGCTGAGTATCAT
 M L L L L L S I I
 | 1
 | 31 | 41 | 51 | 61 | 71
 CGTCCTCCACGTCGCGGTGCTGGTGCTGCTGTTGCTCTCCACGATCGTCAGCgtagtg
 V L H V A V L V L L F V S T I V S
 | 11 | 21
 ctggcggggaggctccctgcgcggcccgcccttccccatctggggtcccagcccgtgctc
 ctgctgggtcaggactgtgttatttgcagacagttggaagtctcagacgtcccagggaag
 tttctggcaatctgcccccttcagttgctttgagaaaacgagagcagattcagtgatag
 gaaccaagcgagcgctgggctgggttagctgcgcaggtctctatttaagccaagtaactt
 cagagccgatctagggtccccgaccttcatttgacaagattgtttaactttt

Exon 3 | Start: 287 | End: 386 | Length: 99

ggaatgatcccagatgctgggaggagagaaggcttgaatgcaggtgtctaagggtgagt
 tcatggctccttctactatagtaaacaatctctgcacataatcgtttctgtgtgcatgtgg
 aacttctccatttacaagggtgcttttaagtcataaaacgttggctcttaccatgcagggg
 tgggcggtgtggctaggtggatgcgggtgcttttcgccatccctgggcctttctccttcc
 ccttttcttcactcctccctccctccctgactcaggatatctatctgattctctctagc
 | 81 | 91 | 101 | 111 | 121 | 131
 CAATGGATCGTGGGCAATGGACACGCAACTGATCTCTGGCAGAACTGTAGCACCTCTTCC
 Q W I V G N G H A T D L W Q N C S T S S
 | 31 | 41
 | 141 | 151 | 161 | 171

TCAGGAAATGTCCACCACTGTTTCTCATCATCACAAACGgtgaggctggttttgtgctc
S G N V H H C F S S S P N E

|51

catgagcttgtcctcagacgcctgtaacacgtttctcagcccagagctggaaacgcttat
tggaagacacaagccagaatgtcgttgctgggggtgggggtgggatgtgacagggagccatg
agtccagggaatatgggaggggtgggtgatctcgtggggaagctgagatcctgggcatca
ttgtgattcactctacctagagacatgcccttagtgccctcctgatcacttaggataatg
ctttttgtgattgaaaaaatatcgacctgggagctgtga

Exon 4 | Start: 387 | End: 527 | Length: 140

tatatatgtatgtaatgtgtacatattggcacatgtgtgtgtttgtatatgtatatatca
gtacatatagatgtatgtatatatgtatatattttttctccaaaataaacaataaagaa
tgtcttcttagattgcaaaagtgaattgtctgagttctgctaaggaaaaaggacttctgc
ttctgctgcctgtgaggactgtgctgtcagcagtcattggcccttcaggccctgcacctcg
aggcagagccctccccggccatggccagctctcctaaccaagtgtctctttccccaga

181	191	201	211	221	231
AA	TG	CT	GC	AG	TC
W	L	Q	S	V	Q
61					71

241	251	261	271	281	291
TG	TT	CT	GT	TC	CA
F	L	F	F	C	Q
81					91

301	311
GA	AT
I	F
101	

catccaagtctgcggaatgattagtttagtagaaggatgtggcctcagaatgactgatgt

tcatgagtctccccactggatgctttccataaagtgagggtgggtgcttgatgtgtggg
 tgtgtacctgtatgtgtccttagaacttgggacttagaactctccccttctccctggaatg
 agatgcatatgaaagagaacttagaggatctggaaggaaggtccccaccaagccaggcg
 tatcaacaggaatgaaactgc

Exon 5 | Start: 528 | End: 1828 | Length: 1300

ccatgtagtgtggcctgggaattgggtgacagtgaaagaaagagaaatagggcagaaaatg
 taaagaaaaccctcaggtattaaggcctaggtggccaagattggaaatagagagcaagtt
 gttttccttggttcccatatTTTTgtgctacctcctttcaattctggacctggaagcagat
 ttccttcagaggtagaaatggttcttcctaccagcaattgtcagcatccggggtggcgg
 agagggggccgctctgccatggactctccgtcaccagcttgtccctctccttccccagg

321	331	341	351	361	371
GTCTGTGCGTGATGAGTGCTGCGGCCATCTACACGGTGAGGCACCCGAGTGGCATCTCA					
L C V M S A A A I Y T V R H P E W H L N					
111				121	

381	391	401	411	421	431
ACTCGGATTACTCCTACGGTTTCGCTACATCCTGGCCTGGGTGGCCTTCCCCCTGGCCC					
S D Y S Y G F A Y I L A W V A F P L A L					
131				141	

441	451	461	471	+1	+11
TTCTCAGCGGTGTCATCTATGTGATCTTGCGGAAACGCGAATGAGGCGCCAGACGGTCT					
L S G V I Y V I L R K R E *					
151				161	

+21	+31	+41	+51	+61	+71
GTCTGAGGCTCTGAGCGTACATAGGGAAGGGAGGAAGGGAAAAACAGAAAGCAGACAAAGA					

+81	+91	+101	+111	+121	+131
AAAAAGAGCTAGCCAAAAATCCCAAACCTCAAACCAAACCAAACAGAAAGCAGTGAGGTG					

+141	+151	+161	+171	+181	+191
GGGGTTGCTGTTGATTGAAGATGTATATAATATCTCCGGTTTATAAACCTATTTATAAC					

|+201 |+211 |+221 |+231 |+241 |+251
 ACTTTTTACATATATGTACATAGTATTGTTTGCTTTTTATGTTGACCATCAGCCTCGTGT

 |+261 |+271 |+281 |+291 |+301 |+311
 TGAGCCTTAAAGAAGTAGCTAAGGAACTTTACATCCTAACAGTATAATCCAGCTCAGTAT

 |+321 |+331 |+341 |+351 |+361 |+371
 TTTTGTTTTGTTTTTTGTTTGTGTTTGTGTTTACCCAGAAATAAGATAACTCCATCTC

 |+381 |+391 |+401 |+411 |+421 |+431
 GCCCCTTCCCTTTCATCTGAAAGAAGATACCTCCCTCCCAGTCCACCTCATTTAGAAAAAC

 |+441 |+451 |+461 |+471 |+481 |+491
 CAAAGTGTGGGTAGAAAACCCCAAATGTCCAAAAGCCCTTTTCTGGTGGGTGACCCAGTGC

 |+501 |+511 |+521 |+531 |+541 |+551
 ATCCAACAGAAACAGCCGCTGCCCGAACCTCTGTGTGAAGCTTTACGCGCACACGGACAA

 |+561 |+571 |+581 |+591 |+601 |+611
 AATGCCCAAACCTGGAGCCCTTGCAAAAACACGGCTTGTGGCATTGGCATACTTGCCCTTA

 |+621 |+631 |+641 |+651 |+661 |+671
 CAGGTGGAGTATCTTCGTCACACATCTAAATGAGAAATCAGTGACAACAAGTCTTTGAAA

 |+681 |+691 |+701 |+711 |+721 |+731
 TGGTGCTATGGATTTACCATTCCCTTATTATCACTAATCATCTAAACAACCTCACTGGAAAT

 |+741 |+751 |+761 |+771 |+781 |+791
 CCAATTAACAATTTTACAACATAAGATAGAATGGAGACCTGAATAATTCTGTGTAATATA

 |+801 |+811 |+821 |+831 |+841 |+851
 AATGTTTATAACTGCTTTTGTACCTAGCTAGGCTGCTATTATTACTATAATGAGTAAAT

 |+861 |+871 |+881 |+891 |+901 |+911
 CATAAAGCCTTCATCACTCCCACATTTTTCTTACGGTCGGAGCATCAGAACAAGCGTCTA

 |+921 |+931 |+941 |+951 |+961 |+971
 GACTCCTTGGGACCGTGAGTTCCCTAGAGCTTGGCTGGGTCTAGGCTGTTCTGTGCCTCCA

 |+981 |+991 |+1001 |+1011 |+1021 |+1031
 AGGACTGTCTGGCAATGACTTGTATTGGCCACCAACTGTAGATGTATATATGGTGCCCTT

 |+1041 |+1051 |+1061 |+1071 |+1081 |+1091
 CTGATGCTAAGACTCCAGACCTTTTGTGTTTGTGTTTGCATTTTCTGATTTTATACCAACT

|+1101 |+1111 |+1121 |+1131
GTGTGGACTAAGATGCATTAAAATAAACATCAGAGTAACTCactggtctctcttgagttt
ttgtgggaacttgggtgtgggtacaaggtgcctgttgagcaggatgaagagcttcagtg
gaaagcaaagttgagctggagatttgggttacaagatggtgctaaggcaccaaaatcata
gctgtttttacaagctacaggagcacatgatgccttcacatgtctgtgcaaaggtttgc
taattggagacagttgggaattgcagctgaaatggaggctgtaaatggactggaaggcac
ttgagtattcatttagttcaaccctctctggtgctctgttg