

Product datasheet for **MR210779**

Plg (NM_008877) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Plg (NM_008877) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Plg |
| Synonyms: | A1649309; Pg |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide
Sequence:

>MR210779 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGACCATAAGGAAGTAATCCTTCTGTTTCTTGTCTTCTGAAACCAGGACAAGGGGACTCGTGGATG
GCTACATAAGCACACAAGGGCTTCACTGTTCACTCTCACCAGAAGCAGCTCGCAGCAGGAGGTCTC
GGACTGTTTGGCCAAATGTGAAGGGGAAACAGACTTTGTCTGCAGGTCATTCCAGTACCAGCAAAGAG
CAGCAATGCGTGATCATGGCGGAGAACAGCAAGACTTCCATCATCCGGATGAGAGACGTCATCTTAT
TCGAAAAGAGAGTGTATCTGTGAGAATGTAAGACCGGCATCGGCAACGGCTACAGAGGAACCATGTCCAG
GACAAAGAGTGGTGTGCTGTCAAAGTGGGGTGCACGTTCCCCACGTACCCAACTACTCTCCAGT
ACACATCCCAATGAGGGACTAGAAGAGAACTACTGTAGGAACCCAGACAATGATGAACAAGGGCCTTGGT
GCTACACTACAGATCCGGACAAGAGATGACTACTGCAACATTCCTGAATGTGAAGAGGAATGCATGTA
CTGCAGTGGAGAAAAGTATGAGGGCAAAATCTCCAAGACCATGTCTGGACTTGACTGCCAGGCTGGGAT
TCTCAGAGCCACATGCTCATGGATACATCCCTGCCAAATTTCCAAGCAAGAACCTGAAGATGAATTATT
GCCGCAACCCGTGACGGGGAGCCAAGGCCCTGGTGTTCACAACAGACCCCAACCAACGCTGGGAATACTG
TGACATCCCCCGCTGCACAACACCCCGCCCCACCCAGCCCAACCTACCAATGTCTGAAAGGAAGAGGT
GAAAATTACCGAGGGACCGTGTCTGTACCCGTGTCTGGGAAAACCTGTACAGCGCTGGAGTGAGCAAACCC
CTCATAGGCACAACAGGACACCAGAAAATTTCCCTGCAAAAATCTGGAAGAGAATACTGCCGGAACCC
AGATGGAGAACTGCTCCCTGGTGTATACCACTGACAGCCAGCTGAGGTGGGAGTACTGTGAGATTCCA
TCCTGCGAGTCTCAGCATCACCAGACCAGTCAGATTCCTCAGTCCACCAGAGGAGCAAACACCTGTGG
TCCAGGAATGCTACCAGAGCGATGGGCAGAGCTATCGGGGTACATCGTCCACTACCATCACAGGGAAAGAA
GTGCCAGTCTGGGCAGCTATGTTTCCACACAGGCATTGGAAGACCCAGAGAACTTCCAGATGCTGGC
TTGGAGATGAACTACTGCAGGAACCCGGATGGTGACAAGGGCCCTTGGTGTACACCACTGACCCGAGCG
TCAGGTGGGAATACTGCAACCTGAAGCGGTGCTCAGAGACAGGAGGGAGTGTGTGGAATTGCCACAGT
TTCCAGGAACCAAGTGGGCCGAGCGACTCTGAGACAGACTGCATGTATGGGAATGGCAAAGACTATCGG
GGCAAACGGCCGTCCTGCAGCTGGCACCCCTGCCAGGGATGGGCTGCCAGGAGCCCAAGGCACACA
GCATCTTACCCACAGACAAACCCACGGGCAGGTCTGGAAAAGAACTACTGCCGAAACCCAGATGGGGA
TGTGAATGGTCTTGGTGTATACAACAAACCCAGAAAATTTATGACTATTGTGACATCCCCCTGTGT
GCATCAGCATCATCCTTTGAGTGCGGGAAACCTCAGGTGGAACCGAAGAAATGCCCTGGGAGGGTGGTGG
GTGGCTGCGTGGCCAACCCCTCACTCCTGGCCCTGGCAATCAGCCTTAGAACAAGATTTACCGGACAGCA
CTTCTGTGGCGGTACTTTAATAGCCCCAGAGTGGGTTCTGACTGCTGCCACTGTTTGGAGAAATCTTCA
AGACCTGAATTCTACAAGGTTATCCTGGGTGCGCACGAAGAATATATCCGTGGGTGCGATGTTTCCAGGAAA
TATCAGTAGCCAAACTGATCTTGGAGCCCAACAACCGTGACATTGCCCTGCTGAACTAAGCCGCCACGC
CACCATCACGGATAAAGTCATTCCAGCTTGTCTGCCATCTCAAATTACATGGTTGCTGACCGGACAATA
TGTTACATCACCGGTGGGGAGAGACTCAAGGGACTTTCGGTCCCGTCTCAAGGAGGCTCAGCTGC
CTGTGATTGAGAAACAAGGTGTGCAACCGCTCGAGTATCTGAACAACAGAGTCAAATCCACGGAGCTCTG
TGCCGGGCAACTGGCTGGTGGCGTGCACAGCTGCCAGGGCGACAGTGGAGGACCTCTGTTTGTCTCGAG
AAGGACAAGTACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGCTGTGCTCGCCCAATAAGCCCTGGTG
TCTACGTTCTGTCTCACGGTTTGGATTGGATTGAAAGGGAGATGAGGAATAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210779 protein sequence

Red=Cloning site Green=Tags(s)

MDHKEVILLFLLLLKPGQGDSDLGYISTQGASL FSLTKKQLAAGGVSDCLAKCEGETDFVCRSFQYHSKE
QQCVIMAENSKTSSIIRMRDVILFEKRVYLSECKTGIGNGYRGTMSRTKSGVACQKWGATFPHVPNYSPS
THPNEGLEENYCRNPDNDEQGPWCYTTPDKRYDYCNIPCEEEECMYCSGEKYEGKISKTMGLDCQAWD
SQSPHAHGYIPAKFPSKLNLMNYCRNPDGEPWPFCFTTDPKRWYCDIPRCTTPPPPSPTYQCLKGRG
ENYRGTVSVTVSGKTCQRWSEQTPHRHNRTPENFPCKNLEENYCRNPDGETAPWCYTDSQLRWEYCEIP
SCESSASPDQSDSSVPPEEQTPVVQECYQSDGQSYRGTSSTTITGKCCQSWAAMFPHRHSKTPENFPDAG
LEMNYCRNPDGDKGPWCYTTPSVRWEYCNLKRCSETGGSVVVELPTVSQEPSPGSDSETDCMYGNGKDYR
GKTAVTAAGTPCQGAAQEPHRHSIFTPQTNPRAGLEKNYCRNPDGVDNGPWCYTTPNPKLYDYCDIPLC
ASASSFECGKQPVEPKKCPGRVVGCVANPHSWPWQISLRTRFTGQHFCCGGLIAPEWVLTAAHCLEKSS
RPEFYKIVILGAHEEYIRGSDVQEISVAKLILEPNNRDIALLLKSRPATITDKVIPACLPSPNYMVADRTI
CYITGWGETQGTFGAGRLKEAQLPVIENKVCNRVEYLNNRVKSTELCAGQLAGGVSDSCQGDSSGGPLVCFE
KDKYILQGVTSWGLGARPKNKPGVYVRSRFDWIEREMRNN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_008877

ORF Size: 2439 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_008877.2](#), [NP_032903.2](#)

RefSeq Size: 2755 bp

RefSeq ORF: 2439 bp

Locus ID: 18815

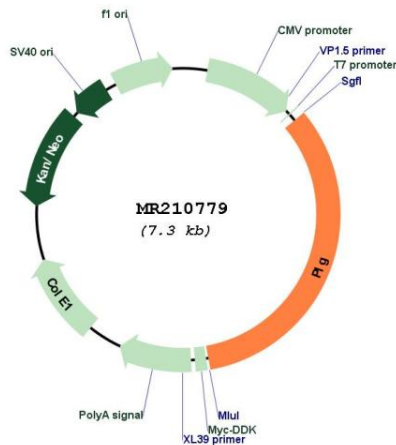
UniProt ID: [P20918](#)

Cytogenetics: 17 8.5 cM

MW: 90.8 kDa

Gene Summary: Plasmin dissolves the fibrin of blood clots and acts as a proteolytic factor in a variety of other processes including embryonic development, tissue remodeling, tumor invasion, and inflammation. In ovulation, weakens the walls of the Graafian follicle. It activates the urokinase-type plasminogen activator, collagenases and several complement zymogens, such as C1 and C5. Cleavage of fibronectin and laminin leads to cell detachment and apoptosis. Also cleaves fibrin, thrombospondin and von Willebrand factor. Its role in tissue remodeling and tumor invasion may be modulated by CSPG4. Binds to cells (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210779