

Product datasheet for **RN207629**

Plg (NM_053491) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plg (NM_053491) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plg
Synonyms:	Ab1-346
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207629 representing NM_053491
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCATAAGGAAATAATCCTTCTGTTTCTCTGTTTCTGAAACCAGGACAAGGGGACTCACTGGATG
 GCTATGTAAGCACACAGGGGCTTCACTGCATAGCCTCACCAAGAAGCAGCTAGCGGCAGGAAGCATAGC
 AGACTGTTTGGCCAAATGTGAAGGGGAAACAGACTTCATCTGCAGGTCATTCCAGTACCAGCAAAGAG
 CAGCAGTGCCTGATCATGGCCGAGAACAGCAAGACTTCCTCCATCATCCGGATGAGAGATGTCATCTTAT
 TCGAAAAGAGAGTGTATCTGTCAGAGTGAAGACTGGCATCGGCAAGGGCTACAGAGGAACCATGTCCAA
 GACAAAGACTGGTGTACCTGTCAAAGTGGAGTGACACGTCCCCCACGTACCCAAATACTCCCCCAGC
 ACACACCCAGCGAGGGACTAGAGGAGAACTACTGTAGGAACCCAGACAATGATGAACAAGGGCCCTGGT
 GCTACACAACAGACCCGGACCAGAGATATGAGTACTGCAACATCCCCGAATGCGAAGAGGAATGCATGTA
 CTGCAGTGGAGAAAAGTACGAGGGCAAATCTCCAAGACCATGTCTGGACTCGACTGCCAGTCTGGGAT
 TCTCAGAGCCACATGCTCACGGATACATCCCTGCCAAATTTCCAAGCAAGAACTTGAAGATGAATTACT
 GTCGCAACCCGTGACGGGGAGCCGCGGCCCTGGTGCTTCACCACAGACCCCAACAAACGCTGGGAATACTG
 TGACATCCCCCGCTGCACAACACCCCAACCCCAACCGGGCCCAACCTACCAATGTCTGAAGGGGAGAGGT
 GAAAATTACCGAGGGACCGTGTCTGTCACTGCGTCTGGGAAAACCTGTCAGCGCTGGAGTGAGCAAACAC
 CTCATAGGCACAACAGGACGCCAGAAAACCTCCCTGCAAAAATCTGGAAGAGAATACTGCCGGAACCC
 AGATGGAGAACTGCTCCCTGGTGCTATACCACTGACAGCCAGCTGAGGTGGGAGTACTGTGAGATCCG
 TCCTGCGGGTCTCGGTATCACCAGACCAGTCAGATTCCTCAGTCTTCCGGAGCAAACACCTGTGGTCC
 AGGATGCTACCGAGGCAATGGAAAGAGCTATCGGGGCACATCGTCCACTACCAACAGGGAAGAAGTG
 CCAGTCCCTGGGTATCTATGACTCCACATAGTCACTCGAAGACCCAGCGAACTTCCAGATGCTGGCTTG
 GAGATGAACTACTGCAGGAACCCAGATAATGACCAGAGGGGCCCTTGGTGCTTCACCCTGACCCGAGCG
 TCAGGTGGGAATACTGCAACCTGAAGCGGTGCTCGGAGACAGGAGGGGTGTTGCGGAATCAGCCATAGT
 CCCCCAAGTTCAGTGCAGCCAGGCACCTCTGAGACAGACTGCATGTATGGGAATGGCAAAGAATATCGG
 GGCAAAACGGCCGTCAGTGCAGCTGGAACCCCTGCCAGGAATGGGCTGCCAGGAGCCCAACAGTCACA
 GAATCTTACCCACAGACAACCCACGGGCAGGTCTGGAAAAGAATACTGCCGAAACCCGGATGGGGA
 TGTCATGGGCCCTGGTCTATAACAATGAACCCAGAAAACCTTACGACTATTGTAACATCCCCTTTGT
 GCATCATTATCGTCTTTGAATGTGGGAAGCCTCAGGTGGAGCCGAAGAATGCCCTGGGAGGGTGGTGG
 GTGGCTGTGTGGCAACCCCTCACTCCTGGCCCTGGCAAATCAGCCTTAGAACAAGATTTTCTGGACAGCA
 TTCTGTGGCGGTACTTTAATATCCCCAGAGTGGGTGCTGACTGCCGCTCACTGCTTGGAGAAATCTTCG
 AGACCTGAATTCTACAAGTTATCCTGGGAGCACACGAAGAACGAATCCTTGGGTGAGATGTTTACGAAA
 TAGCAGTAACCAAACCTGGTCTTGGAAACCAACGACGCTGACATTGCCCTGCTGAAGCTAAGCCGCCAGC
 CACCATCACAGATAATGTCATCCAGCTTGTCTGCCATCTCCAAATATGTGGTTGCCGACCCGACACTG
 TGTTACATCACCGGTGGGGAGAAACGAAAGGGACTCCAGGTGCCGCCGTCTCAAGGAGGCCAGCTGC
 CCGTGATCGAGAAACAAGGTGTGCAACCCGCTGAGTATCTAAACAACAGAGTCAAATCCACCGAGCTCTG
 TGCCGGGCATCTGGCTGGTGGCATCGACAGTTGCCAGGGCGACAGTGGAGGACCTCTGTTTTCGAG
 AAGGACAAGTATATTTTACAAGGAGTCACTTCTTGGGGTCTTGGCTGTGCTCGCCCAATAAGCCCTGGT
 TCTATGTTCTGTTTCCCGGTACGTTAATTGGATTGAAAGGGAGATGAGGAATGACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_053491
Insert Size: 2439 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_053491.2 , NP_445943.1
RefSeq Size:	2752 bp
RefSeq ORF:	2439 bp
Locus ID:	85253
UniProt ID:	Q01177
Cytogenetics:	1q11
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]