

Product datasheet for **MC201050**

Plg (NM_008877) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plg (NM_008877) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plg
Synonyms:	A1649309; Pg
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC014773 sequence for NM_008877
 CTTTAAGTCAACACCAGGAACTAGGACACAGTTGTCCAGGTGCTGTTGGCCAGTCCCAACATGGACCATA
 AGGAAGTAATCCTTCTGTTTCTTCTGCTTCTGAAACCAGGACAAGGGGACTCGCTGGATGGCTACATAAG
 CACACAAGGGGCTTCACTGTTCACTCTCACCAAGAAGCAGCTCGCAGCAGGAGGTGTCTCGGACTGTTTG
 GCCAAATGTGAAGGGGAAACAGACTTTGTCTGCAGGTCAATCCAGTACCACAGCAAGAGCAGCAATGCG
 TGATCATGGCGGAGAACAGCAAGACTTCTCCATCATCCGGATGAGAGACGTCACTTATTCGAAAAGAG
 AGTGTATCTGTCAAGATGAAGACCGGCATCGGCAACGGCTACAGAGGAACCATGTCCAGGACAAAGAGT
 GGTGTTGCCTGTCAAAGTGGGGTGCCACGTTCCCCACGTACCCAACACTCTCCCAGTACACATCCCA
 ATGAGGGACTAGAAGAGAACTACTGTAGGAACCCAGACAATGATGAACAAGGGCCTTGGTGTACTACTAC
 AGATCCGGACAAGAGATATGACTACTGCAACATTCCTGAATGTGAAGAGGAATGCATGACTGCAGTGGA
 GAAAAGTATGAGGGCAAAATCTCCAAGACCATGTCTGGACTTGACTGCCAGGCCTGGGATTCTCAGAGCC
 CACATGCTCATGGATACATCCCTGCCAAATTTCCAAGCAAGAACCTGAAGATGAATTATTGCCGCAACCC
 TGACGGGGAGCCAAGGCCCTGGTCTTCAACAACAGACCCCAACAAACGCTGGGAATACTGTGACATCCCC
 CGCTGCACAACACCCCGCCCCACCCAGCCCAACCTACCAATGTCTGAAAGGAAGAGGTGAAAATTACC
 GAGGGACCGTGTCTGTACCGTGTCTGGGAAAACCTGTACGCGTGGAGTGAGCAAAACCCCTCATAGGCA
 CAACAGGACACCAGAAAATTTCCCTGCAAAAATCTGGAAGAGAACTACTGCCGGAACCCAGATGGAGAA
 ACTGCTCCCTGGTGTATACCACTGACAGCCAGCTGAGGTGGGAGTACTGTGAGATTCCATCCTCGGAGT
 CCTCAGCATACCCAGACCAGTCAAGTTCCTCAGTTCACCCAGAGGAGCAAAACACCTGTGGTCCAGGAATG
 CTACCAGAGCGATGGGCAGAGCTATCGGGGTACATCGTCCACTACCATCACAGGGAAGAAGTGCCAGTCC
 TGGGCAGCTATGTTTCCACACAGGCATTCGAAGACCCAGAGAATTTCCAGATGCTGGCTTGGAGATGA
 ACTACTGCAGGAACCCGGATGGTGACAAGGGCCCTTGGTGTACACCACTGACCCGAGCGTCAGGTGGGA
 ATACTGCAACCTGAAGCGGTGCTCAGAGACAGGAGGGAGTGTGTGGAATTGCCACAGTTCACAGGAA
 CCAAGTGGGCGAGCGACTCTGAGACAGACTGCATGTATGGGAATGGCAAAAGACTATCGGGGCAAAACGG
 CCGTCACTGCAGCTGGCACCCCTGCCAGGGATGGGCTGCCAGGAGCCCAAGGCACAGCATCTTCAC
 CCCACAGACAAACCCACGGGCAGGTCTGAAAAAGAACTACTGCCGAAACCCAGATGGGGATGTGAATGGT
 CCTTGGTGTATACAACAACCCAGAAAATTTATGACTATTGTGACATCCCCCTGTGTGCATCAGCAT
 CATCCTTTGAGTGCGGGAAACCTCAGGTGGAACCGAAGAATGCCCTGGGAGGGTGGTGGTGGCTGCGT
 GGCCAACCCCTCACTCCTGGCCCTGGCAATCAGCCTTAGAACAAGATTTACCGGACAGCACTTCTGTGGC
 GGTACTTTAATAGCCCCAGAGTGGGTTCTGACTGCTGCCACTGTTTGGAGAAATCTTCAAGACCTGAAT
 TCTACAAGTTATCCTGGGTGCGCAGGAAGAATATCCGTGGTCCGATGTTCCAGGAAATATCAGTAGC
 CAAACTGATCTTGAGGCCAACAACCGTGACATTGCCCTGCTGAAACTAAGCCGCCAGCCACCATCAGG
 GATAAAGTCATTCCAGCTTGTCTGCCATCTCAAATTACATGGTTGCTGACCGGACAATATGTTACATCA
 CCGGCTGGGGAGAGACTCAAGGGACTTTCGGTGCCGGTCTCAAGGAGGCTCAGCTGCCTGTGATTGA
 GAACAAGGTGTGCAACCGCGTCGAGTATCTGAACAACAGAGTCAAATCCACGGAGCTCTGTGCCGGGCAA
 CTGGCTGGTGGCGTCGACAGCTGCCAGGGGACAGTGGAGGACCTCTGGTTTGTCTCGAGAAGGACAAGT
 ACATTTTACAAGGAGTCACTTCTGGGGTCTTGGCTGTGCTCGCCCAATAAGCCTGGTGTCTACGTTCCG
 TGTCTCACGGTTTGTGATTGGATTGAAAGGGAGATGAGGAATACTGACTAGGTGGAAGGCCGAGCAAA
 ACCTCTGCTTACTAAAGCTTACTGAATATGGGGAGAGGGCTTAGGGTGTGGAAAACTGACAGTAATC
 AAAGTGGGACACTACACTGAACCACAGCTTCTGTGCGCCCTCAGCCCTCCCTTTTTTTGTATTATTG
 TGGGTAATAATTTCTGTCTGTGACTTCTGGATTTTGTGACAATAGACCATCACTGCTGTGACCTTTGT
 TGAATAATAACTCGATACTTACTTTGAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008877

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:	<u>BC014773</u> , <u>AAH14773</u>
RefSeq Size:	2771 bp
RefSeq ORF:	2439 bp
Locus ID:	18815
UniProt ID:	<u>P20918</u>
Cytogenetics:	17 8.5 cM
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]