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Product datasheet for MC227467

Serpina10 (NM_001301404) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpina10 (NM_001301404) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Serpina10
Synonyms:	P; PZI; ZPI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC227467 representing NM_001301404
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGGTGGCTTCTAGCCTCTTTCTTCCTGTCCTCCTGACAGAGGTGTGGCTGGTGACTAGTTTCAATC
TCAGCTCCCATTCACCAGAGGCTTCCGTTCACCTGGAGTCTCAGGATTATGAGAATCAAACCTGGGAAGA
GTACACACGGACTGATCCCAGGGAGGAGGAGGAGGAGGAGGAGGAAAAGGAGGAAGGCAAGGATGAGGAA
TATTGGCTGAGGGCCAGTCAGCAGCTCTCCAATGAGACTTCAAGCTTTGGGTTCAACCTGCTTCGAAAGA
TCTCCATGAGGCACGACGGCAATGTGATCTTCTCACCTTTTGGCCTGTCTGTGGCCATGGTGAATTTGAT
GCTGGGGACCAAGGGAGAGACCAAAGTCCAGATAGAAAATGGACTCAACCTACAGGCCCTGAGCCAAGCA
GGACCCCTGATCCTTCCAGCCCTCTTCAAGAAGGTCAAAGAGACCTTCTCCAGCAACCGGGACCTGGGCC
TCAGCCAGGGTAGCTTTGCCTTCATCCACAAGGACTTTGATATCAAAGAGACCTATTTCAATCTCTCCAA
GAAGTATTTTGATATAGAGTATGTGTCTATAAATTTTCAAAATTCCTCACAAGCCAGAGGGCTCATAAAC
CACTGCATTGTCAAAGAGACTGAGGGGAAAATCCCCAAGCTTTTTGATGAGATTAATCCTGAAACAAAGT
TAATTCTGGTGGACTACGTCTTGTTCAAAGGAAATGCCACCATGCTAGTGGTCCTCATGGAGAAGACAGG
TGATTACTTGGCCCTGGAGGACTACTTGACCGTGGATCTCGTGGAGACATGGCTGCAGAATATGAAAACC
AGGAAAATGGAGGTCTTCTTTCCCAAGTTCAAGCTGAACCAGAGGTATGAGATGCACGAGCTGCTCAAAC
AGATGGGAATCAGGAGGCTCTTCTCCACCTCAGCTGACCTCAGCGAACTCTCAGCCATGGCAAGAAACCT
TCAGGTGTCCAGGGTTTTACAACAGTCGGTGCTTGAGGTGGATGAAAGGGGAACAGAAGCAGTGTCAGGG
ACGCTGTCAGAGATTATCGCTTACTCCATGCCTCCTGCCATCAAAGTGAACCGGCCTTTTCACTTCATCA
TCTATGAGGAGATGTCCAGGATGCTCCTATTTCTGGGCAGGGTGGTAAACCCCACAGTCCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001301404
Insert Size:	1185 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001301404.1, NP_001288333.1
RefSeq Size:	1455 bp
RefSeq ORF:	1185 bp
Locus ID:	217847
UniProt ID:	Q8R121
Cytogenetics:	12 E
Gene Summary:	The protein encoded by this gene is a member of the large serpin family of proteins, and is also known as serpin PZ-dependent protease inhibitor (ZPI or PZI). This protein is thought to play an important role in the regulation of coagulation. It directly inhibits factor XIa, and also inhibits factor Xa in the presence of calcium, phospholipids, and protein Z (PZ). Deficiencies in this gene lead to an increase in thrombosis. Alternative splicing results in multiple transcript variants that encode multiple protein isoforms. [provided by RefSeq, Aug 2014] Transcript Variant: This variant (2) uses an alternate in-frame splice site compared to variant 1. It encodes isoform 2 which is shorter than isoform 1.

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