

Product datasheet for **SC303378**

SERPINB7 (NM_003784) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SERPINB7
Synonyms:	MEGSIN; PPKN; TP55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303378 representing NM_003784. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTCCCTTGCTGCAGCAATGCAGAGTTTGTCTCAACCTGTTGAGAGATGGATGACAATCA
GGAAATGGAAATGTGTTCTTTCTCTCTGAGCCTCTTCGCTGCCCTGGCCTGGTCCGCTTGGGCGCT
CAAGATGACTCCCTCTCTCAGATTGATAAGTTGCTTCATGTTAACTGCCTCAGGATATGGAACTCT
TCTAATAGTCAGTCAGGCTCCAGTCTCACTGAAAAGAGTTTTTCTGATATAATGCATCCCAAG
GATTATGATCTCAGCATTGTGAATGGGCTTTTGTGAAAAAGTGTATGGCTTTCATAAGGACTACATT
GAGTGTGCCGAAAAATTATACGATGCCAAAGTGAGCGAGTTGACTTTACGAATCATTAGAAGACACT
AGACGTAATATTAATAAGTGGGTGAAAAAGAAACACATGGCAAAATCAAGAACGTGATTGGTGAAGGT
GGCATAAGCTCATCTGCTGAATGGTGTGGTGAATGCTGTGACTTCAAAGGCAAGTGGCAATCAGCC
TTCACCAAGAGCGAAACCATAAATTGCCATTTCAAATCTCCAAGTGTCTGGGAAGGCAGTCGCCATG
ATGCATCAGGAACGGAAGTTCAATTTGTCTGTTATTGAGGACCCATCAATGAAGATTCTTGAGCTCAGA
TACAATGGTGGCATAAACATGTACGTTCTGCTGCCTGAGAATGACCTCTCTGAAATTGAAAAACAACTG
ACCTTTCAGAATCTAATGGAATGGACCAATCCAAGGCGAATGACCTCTAAGTATGTTGAGGTATTTTT
CCTCAGTTCAAGATAGAGAAGAATTATGAAATGAAACAATATTGAGAGCCCTAGGGCTGAAGATATC
TTTGATGAATCCAAAGCAGATCTCTCTGGGATTGCTTCGGGGGGTCTGTATATATCAAGGATGATG
CACAAATCTTACATAGAGGTCACTGAGGAGGGCACCGAGGCTACTGCTGCCACAGGAAGTAATATTGTA
GAAAAGCAACTCCCTCAGTCCACGCTGTTTAGAGCTGACCAACCATTCCTATTGTTATCAGGAAGGAT
GACATCATCTTATTCAGTGGCAAAGTTTCTTGCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites: SgfI-MluI



ACCN:	NM_003784
Insert Size:	1143 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_003784.3
RefSeq Size:	2244 bp
RefSeq ORF:	1143 bp
Locus ID:	8710
UniProt ID:	O75635
Cytogenetics:	18q21.33
Protein Families:	Druggable Genome
MW:	42.9 kDa

Gene Summary:

This gene encodes a member of a family of proteins which function as protease inhibitors. Expression of this gene is upregulated in IgA nephropathy and mutations have been found to cause palmoplantar keratoderma, Nagashima type. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1, 2 and 3 encode the same isoform.