

Product datasheet for SC310935

SERPINB7 (NM_001040147) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERPINB7 (NM_001040147) Human Untagged Clone
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:	>SC310935 representing NM_001040147. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCCTCCCTTGCTGCAGCAAATGCAGAGTTTGTCTCAACCTGTTTCAGAGAGATGGATGACAATCAA
 GGAAATGGAAATGTGTTCTTTCTCTGAGCCTCTTCGCTGCCCTGGCCCTGGTCCGCTTGGCGCT
 CAAGATGACTCCCTCTCTCAGATTGATAAGTTGCTTCATGTTAACTGCCTCAGGATATGGAACTCT
 TCTAATAGTCAGTCAGGGCTCCAGTCTCAACTGAAAAGAGTTTTTCTGATATAAATGCATCCACAAG
 GATTATGATCTCAGCATTGTGAATGGGCTTTTGTGAAAAAGTGTATGGCTTTCATAAGGACTACATT
 GAGTGTGCCGAAAAATTATACGATGCCAAAGTGGAGCGAGTTGACTTTACGAATCATTTAGAAGACT
 AGACGTAAATTAATAAGTGGGTGAAAATGAAACACATGGCAAAATCAAGAACGTGATTGGTGAAGGT
 GGCATAAGCTCATCTGCTGTAATGGTGTGGTGAATGCTGTGACTTCAAAGGCAAGTGGCAATCAGCC
 TTCACCAAGAGCGAAACCATAAATTGCCATTTCAAATCTCCAAGTGCTCTGGGAAGGCAGTCGCCATG
 ATGCATCAGGAACGGAAGTTCAATTTGTCTGTTATTGAGGACCCATCAATGAAGATTCTTGAGCTCAGA
 TCAATGGTGGCATAAACATGTACGTTCTGCTGCCTGAGAATGACCTCTCTGAAATTGAAAAAACTG
 ACCTTTCAGAATCTAATGGAATGGACCAATCCAAGCGCAATGACCTCTAAGTATGTTGAGGTATTTTT
 CCTCAGTTCAAGATAGAGAAGAATTATGAAATGAAACAATATTTGAGAGCCCTAGGGCTGAAAGATATC
 TTTGATGAATCCAAAGCAGATCTCTCTGGGATTGCTTCGGGGGTCGCTGTATATATCAAGGATGATG
 CACAAATCTTACATAGAGGTCACTGAGGAGGGCACCGAGGCTACTGCTGCCACAGGAAGTAATTGTA
 GAAAAGCAACTCCCTCAGTCCACGCTGTTTAGAGCTGACCACCCATTCTATTTGTTATCAGGAAGGAT
 GACATCATCTTATTCAGTGGCAAAGTTTCTGCGCT**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI



[View online »](#)

ACCN:	NM_001040147
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.
RefSeq:	<u>NM_001040147.2</u>
RefSeq Size:	1976 bp
RefSeq ORF:	1143 bp
Locus ID:	8710
UniProt ID:	<u>O75635</u>
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 (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same isoform (1).