

## Product datasheet for **SC330727**

### SERPINB7 (NM\_001261831) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SERPINB7 (NM\_001261831) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SERPINB7  
**Synonyms:** MEGSIN; PPKN; TP55  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330727 representing NM\_001261831.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCTCCCTTGCTGCAGCAAATGCAGAGTTTTGCTTCAACCTGTTTCAGAGAGATGGATGACAATCAA
GGAAATGGAAATGTGTTCTTTTCTCTCTGAGCCTCTTCGCTGCCCTGGCCCTGGTCCGCTGGGCGCT
CAAGATGACTCCCTCTCTCAGATTGATAAGTCAGGGCTCCAGTCTCAACTGAAAAGAGTTTTTTCTGAT
ATAAATGCATCCCACAAGGATTATGATCTCAGCATTGTGAATGGGCTTTTTGCTGAAAAGTGTATGGC
TTTCATAAGGACTACATTGAGTGTGCCGAAAAATTATACGATGCCAAAGTGGAGCGAGTTGACTTTACG
AATCATTTAGAAGACACTAGACGTAATATTAATAAGTGGGTTGAAAATGAAACACATGGCAAATCAAG
AACGTGATTGGTGAAGGTGGCATAAGCTCATCTGCTGTAATGGTCTGGTGAATGCTGTGACTTCAAA
GGCAAGTGGCAATCAGCCTTCAACCAAGAGCGAAACCATAAATTGCCATTTCAAATCTCCCAAGTGCTCT
GGGAAGGCAGTCGCCATGATGCATCAGGAACGGAAGTTCAATTTGTCTGTTATTGAGGCCCATCAATG
AAGATTCTTGAGCTCAGATACAATGGTGGCATAAACATGTACGTTCTGCTGCCTGAGAATGACCTCTCT
GAAATTGAAAACAACTGACCTTTCAGAATCTAATGGAATGGACCAATCCAAGGCGAATGACCTCTAAG
TATGTTGAGGTATTTTTTCTCAGTTCAAGATAGAGAAGAATTATGAAATGAAACAATATTTGAGAGCC
CTAGGGCTGAAAGATATCTTTGATGAATCCAAAGCAGATCTCTCTGGGATTGCTTCGGGGGTCGCTGTG
TATATATCAAGGATGATGCACAAATCTTACATAGAGTCACTGAGGAGGGCACCGAGGCTACTGCTGCC
ACAGGAAGTAATATTGTAGAAAAGCAACTCCCTCAGTCCAGCTGTTTAGAGCTGACCACCCATTCTCA
TTTGTATCAGGAAGGATGACATCATCTTATTCAGTGGCAAAGTTTCTTGCCTTGA
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001261831  
**Insert Size:** 1092 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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001261831.1</u>
<b>RefSeq Size:</b>	2193 bp
<b>RefSeq ORF:</b>	1092 bp
<b>Locus ID:</b>	8710
<b>UniProt ID:</b>	<u>O75635</u>
<b>Cytogenetics:</b>	18q21.33
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	41.2 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) lacks an exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>