

## Product datasheet for MC227587

### Serpinh1 (NM\_001285776) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Serpinh1 (NM\_001285776) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Serpinh1  
**Synonyms:** BERF-1; Cbp1; Cbp2; gp46; Hsp47; J6; Serpinh2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227587 representing NM\_001285776  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGCGCTCTCCTTCTGGGCACCTTATGCCTCTTGGCCGTGGCCCTGGCAGCCGAGGTGAAGAAACCC  
 TAGAGGCGGCAGCCCTGGTACTGCGGAGAAGCTAAGTTCCAAGGCGACCACACTGGCAGAGCGCAGCAC  
 AGGCTGGCCTTACGCTATATCAGGCGATGGCCAAAGACCAGGGGTGGAGAACATCCTCTGTCAACC  
 TTGGTGGTGGCCTCATCCCTGGGTCTTGTGTCACTGGGTGGTAAAGCCACCACAGCGTCGAGGCGAAGG  
 CAGTGCTGAGCGCTGAGAAGCTGCGCGATGAGGAGGTGCACACGGGGCTGGGTGAGCTGCTCCGCTCCCT  
 CAGCAACTCCACTGCGCGCAACGTGACCTGAAACTGGGCAGCCGCTGTACGGGCCAGCTCCGTGAGC  
 TTCGCGGATGACTTCGTGCGCAGCAGCAAGCAACTACAACACTGCGAACACTCCAAGATCAACTCCGAG  
 ACAAGCGCAGCGCCCTGCAGTCCATCAACGAGTGGCCTCGCAGACCACGGACGGCAAGCTGCCTGAGGT  
 CACCAAGGATGTGGAGCGCACGGATGGGGCACTGCTTGTGAACGCCATGTTCTTTAAGCCCACTGGGAT  
 GAGAAGTTTACCACAAGATGGTGGACAACCGTGGCTTCATGGTGACCCGCTCTATACTGTGGGTGTTA  
 CGATGATGCACCGGACAGGCTGTACAACACTATGACGACGAGAAGGAGAAGCTGCAGATGGTGGAGAT  
 GCCCTGGCTCACAAGCTCCAGCCTCATCCTCATGCCCCACCACGTGGAGCCGCTCGAGCGCTTG  
 GAGAAGCTGCTGACCAAGGAGCAGCTGAAGCCTGGATGGAAAGATGCAGAAGAAGGCTGTCGCCATCT  
 CCCTGCCCAAGGGCGTGGTGGAGGTGACCCATGACCTGCAGAAACATCTGGCAGGACTGGCCTGACCGA  
 GGCCATCGACAAGAACAAGGCAGACCTATCGCGCATGTCTGGCAAGAAGGACCTGTACCTAGCCAGTGTG  
 TTCCATGCCACTGCCTTCGAGTGGGACACCGAGGGCAACCCCTTTGACCAAGACATCTACGGGCGGAGG  
 AGCTGCGCAGCCCAAGCTGTTCTATGCCGACCACCCCTTCATCTTCTGGTGGAGATAATCAGAGCGG  
 CTCCTTGCTCTTATTGGCCGCTGGTCCGCCCCAAGGGAGACAAGATGCGAGATGAGTTG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001285776
<b>Insert Size:</b>	1254 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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><a href="#">NM_001285776.1</a></u> , <u><a href="#">NP_001272705.1</a></u>
<b>RefSeq Size:</b>	2313 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	12406
<b>UniProt ID:</b>	<u><a href="#">P19324</a></u>
<b>Cytogenetics:</b>	7 E1
<b>Gene Summary:</b>	<p>Binds specifically to collagen. Could be involved as a chaperone in the biosynthetic pathway of collagen.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 encode the same protein.</p>