

## Product datasheet for **MG219516**

### Serpinh1 (NM\_009825) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Serpinh1 (NM_009825) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Serpinh1
Synonyms:	BERF-1; Cbp1; Cbp2; gp46; Hsp47; J6; Serpinh2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219516 representing NM_009825 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCTCTCCTTCTGGGCACCTTATGCCTCTTGGCCGTGGCCCTGGCAGCCGAGGTGAAGAAACCC  
TAGAGGCGGCAGCCCCTGGTACTGCGGAGAAGCTAAGTCCAAGGCGACCACACTGGCAGAGCGCAGCAC  
AGGCTGGCCTCAGCCTATATCAGGCGATGGCCAAAGACCAGGCGGTGGAGAACATCCTCTGTCACCC  
TTGGTGGTGGCCTCATCCCTGGTCTTGTGTCACTGGGTGGTAAAGCCACCACAGCGTCGCAGGCGAAGG  
CAGTGCTGAGCGCTGAGAAGCTGCGCGATGAGGAGGTGCACACGGGGCTGGGTGAGCTGCTCCGCTCCCT  
CAGCAACTCCACTGCGCGCAACGTGACCTGGAACTGGGCAAGCCGCTGTACGGGCCAGCTCCGTGAGC  
TTCGCCGATGACTTCGTGCGCAGCAGCAAGCAACTACAACACTGCGAACACTCCAAGATCAACTCCGAG  
ACAAGCGCAGCGCCCTGCAGTCCATCAACGAGTGGGCCTCGCAGACCACGGACGGCAAGCTGCCTGAGGT  
CACCAAGGATGTGGAGCGCACGGATGGGCACTGCTTGTGAACGCCATGTTCTTTAAGCCACACTGGGAT  
GAGAAGTTTCACCACAAGATGGTGGACAACCGTGGCTTCACTGGTACCCGCTCCTATACTGTGGGTGTTA  
CGATGATGCACCGGACAGGCCTGTACAACACTATGACGACGAGAAGGAGAAGCTGCAGATGGTGGAGAT  
GCCCTGGCTCACAAGCTCTCCAGCCTCATCATCTCATGCCCAACCACGTGGAGCCGCTCGAGCGCTTG  
GAGAAGCTGCTGACCAAGGAGCAGCTGAAGCCCTGGATGGAAAGATGCAGAAGAAGGCTGTCGCCATCT  
CCCTGCCCAAGGGCGTGGTGGAGGTGACCCATGACCTGCAGAAACATCTGGCAGGACTGGGCTGACCCGA  
GGCCATCGACAAGAACAAGGACAGCCTATCGCGCATGTCTGGCAAGAAGGACCTGTACTAGCCAGTGTG  
TTCCATGCCACTGCCTTCGAGTGGGACACCGAGGGCAACCCCTTTGACCAAGACATCTACGGGCGCGAGG  
AGCTGCGCAGCCCAAGCTGTTCTATGCCGACCACCCCTTCATCTTCTGGTGGCAGATAATCAGAGCGG  
CTCCTTGCTTTCATTGGCCGCTGGTCCGCCCAAGGGAGACAAGATGCGAGATGAGTTG

**ACGGTACGGGCCGCTCGAG** - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG219516 representing NM\_009825  
 Red=Cloning site Green=Tags(s)

MRSLLLGTLCLLAVALAAEVKPKLEAAAPGTAEKLSSKATTLAERSTGLAFSLYQAMAKDQAVENILLSP  
 LVVASSLGLVSLGGKATTASQAKAVLSAEKLRDEEVHTGLGELLRSLSNSTARNVTWKLGSRLYGPSSVS  
 FADDFVRSKQHYNCEHSKINFRDKRSALQSINEWASQTTDGKLEPVTKDVERTDGALLVNAMFFKPHWD  
 EKFFHHKMVDNRGFMVTRSYTVGVTMMHRTGLYNYVDDEKEKLMVEMPLAHKLSLIIILMPHHVEPLERL  
 EKLLTKEQLKAWMGKMQKKAVALISLPGKVVEVTHDLQKHLAAGLGLTEAIDKNKADLSRMSGKLDLYLASV  
 FHATAFEWDTEGNPFDQDIYGREELRSPKLFYADHPFIFLVRDNQSGSLLFIGRLVRPKGDKMRDEL

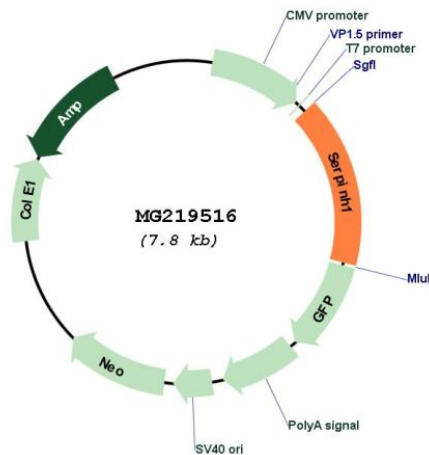
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_009825

<b>ORF Size:</b>	1251 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_009825.2</a> , <a href="#">NP_033955.2</a>
<b>RefSeq Size:</b>	2400 bp
<b>RefSeq ORF:</b>	1254 bp
<b>Locus ID:</b>	12406
<b>UniProt ID:</b>	<a href="#">P19324</a>
<b>Cytogenetics:</b>	7 E1
<b>Gene Summary:</b>	Binds specifically to collagen. Could be involved as a chaperone in the biosynthetic pathway of collagen.[UniProtKB/Swiss-Prot Function]