

Product datasheet for **MG219517**

Serpinh1 (NM_001111043) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Serpinh1 (NM_001111043) 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: >MG219517 representing NM_001111043
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCTCTCCTTCTGGGCACCTTATGCCTCTTGGCCGTGGCCCTGGCAGCCGAGGTGAAGAAACCC
TAGAGGCGGCAGCCCTGGTACTGCGGAGAAGCTAAGTCCAAGGCGACCACACTGGCAGAGCGCAGCAC
AGGCTGGCCTCAGCCTATATCAGGCGATGGCCAAAGACCAGGCGGTGGAGAACATCCTCTGTACCC
TTGGTGGTGGCCTCATCCCTGGTCTTGTGTCACTGGGTGGTAAAGCCACCACAGCGTCGCAGGCGAAGG
CAGTGCTGAGCGCTGAGAAGCTGCGCGATGAGGAGGTGCACACGGGGCTGGGTGAGCTGCTCCGCTCCCT
CAGCAACTCCACTGCGCGCAACGTGACCTGGAACTGGGCAAGCCGCTGTACGGGCCAGCTCCGTGAGC
TTCGCCGATGACTTCGTGCGCAGCAGCAAGCAACTACAACACTGCGAACACTCCAAGATCAACTCCGAG
ACAAGCGCAGCGCCCTGCAGTCCATCAACGAGTGGGCCTCGCAGACCACGGACGGCAAGCTGCCTGAGGT
CACCAAGGATGTGGAGCGCACGGATGGGCACTGCTTGTGAACGCCATGTTCTTTAAGCCACACTGGGAT
GAGAAGTTTCACCACAAGATGGTGGACAACCGTGGCTTCACTGGTACCCGCTCCTATACTGTGGGTGTTA
CGATGATGCACCGGACAGGCCTGTACAACACTATGACGACGAGAAGGAGAAGCTGCAGATGGTGGAGAT
GCCCTGGCTCACAAGCTCTCCAGCCTCATCATCTCATGCCCCACCACGTGGAGCCGCTCGAGCGCTTG
GAGAAGCTGCTGACCAAGGAGCAGCTGAAGCCCTGGATGGGAAAGATGCAGAAGAAGGCTGTCGCCATCT
CCCTGCCCAAGGGCGTGGTGGAGGTGACCCATGACCTGCAGAAACATCTGGCAGGACTGGGCTGACCCGA
GGCCATCGACAAGAACAAGGAGACCTATCGCGCATGTCTGGCAAGAAGGACCTGTACCTAGCCAGTGTG
TTCCATGCCACTGCCTTCGAGTGGGACACCGAGGGCAACCCCTTTGACCAAGACATCTACGGGCGCAGG
AGCTGCGCAGCCCAAGCTGTTCTATGCCGACCACCCCTTTCATCTTCTGGTGGCAGATAATCAGAGCGG
CTCCTTGCTTTCATTGGCCGCTGGTCCGGCCCAAGGGAGACAAGATGCGAGATGAGTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219517 representing NM_001111043
 Red=Cloning site Green=Tags(s)

MRSLLLGTLCLLAVALAAEVKPKLEAAAPGTAEKLSSKATTLAERSTGLAFSLYQAMAKDQAVENILLSP
 LVVASSLGLVSLGGKATTASQAKAVLSAEKLRDEEVHTGLGELLRSLSNSTARNVTWKLGSRLYGPSSVS
 FADDFVRSKQHYNCEHSKINFRDKRSALQSINEWASQTTDGKLEPVTKDVERTDGALLVNAMFFKPHWD
 EKFFHHKMVDNRGFMVTRSYTVGVTMMHRTGLYNYVDDEKEKLMVEMPLAHKLSLIIILMPHHVEPLERL
 EKLLTKEQLKAWMGKMQKKAVALISLPGKVVVEVTHDLQKHLAAGLGLTEAIDKNKADLSRMSGKLDLYLASV
 FHATAFEWDTGPNPFDQDIYGREELRSPKLFYADHPFIFLVRDNQSGSLLFIGRLVRPKGDKMRDEL

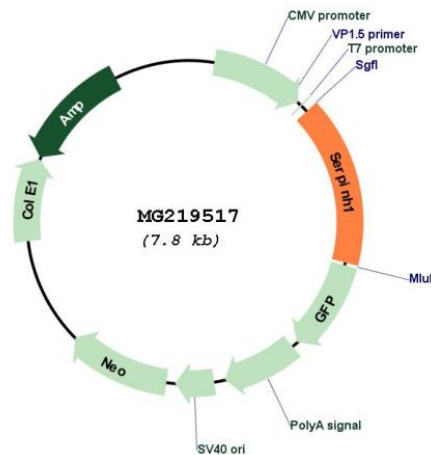
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001111043

ORF Size:	1251 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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:	NM_001111043.1 , NP_001104513.1
RefSeq Size:	2273 bp
RefSeq ORF:	1254 bp
Locus ID:	12406
UniProt ID:	P19324
Cytogenetics:	7 E1
Gene Summary:	Binds specifically to collagen. Could be involved as a chaperone in the biosynthetic pathway of collagen.[UniProtKB/Swiss-Prot Function]