

Product datasheet for **MG220102**

Serpinf2 (NM_008878) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpinf2 (NM_008878) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Serpinf2
Synonyms:	A1747498; Pli; Serpimf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220102 representing NM_008878
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACTGCTCCGGGGCTCCTCGTACTCAGCTTGTCTCCTGCCTGCAAGTCCCTGTTTCACGTTCTCTC
 CGGTGAGCGCCGTGGATCTCCCGGGCCAGCAGCCAGTGAGTGAGCAGGCCAGCAGAAGCTGCCCTGCC
 TGCCCTCTTCAAGTTGGACAACCAGGATTTTGGTGACCATGCTACCCTCAAGAGGTCCCCAGGACTGC
 AAGAGTGTCCAACTGCAGAGGAGACTCGCAGGCTGGCTCAGGCCATGATGGCTTTTACTACTGACCTGT
 TCTCTTTGGTGGCCAAACATCTACCAGCTCCAACCTTGTCTGTACCCTTAGTGTGGCCCTAGCACT
 CTCTCACCTGGCACTAGGTGCTCAGAACAACTACACAGCTTGCATCGAGTGTGCACATGAACACA
 GGATCTGCCTCCCGCATCTACTGAGCCATTTCTACCAGAACCTAGGCCAGGACAATCCGACTGGCTG
 CCAGAATATACCTGCAGAAAGGATTTCCATCAAAGACGATTTCTGGAGCAATCGGAAAGGCTCTTTGG
 TGCGAAGCCCGTAAACTGACTGAAAGCAGGAGGAAGACCTGGGCAACATCAACCAATGGTGAAGGAG
 GCCACAGAGGGGAAGATTGAGGATTTCTCTCTGAGCTGCCGGATAGCACCGTGTCTTCTCTCAACG
 CCATCCACTTTCACGGTTTCTGGAGGACCAAGTTTGACCCGAGCCTCACCCAGAAAGATTTCTTCCACT
 GGATGAGCGGTTACAGTGTGGTGGACATGATGCACGCGGTGTCATATCCTCTTCGATGGTTCTGCTG
 GAGCAACTGAGATACAGGTGGCTCATTCCCCTTAAGAACAACATGAGCTTTGTGGTGTGATGCCCA
 CTTATTTTGTGAGTGAACGTGTCCGAGGTACTAGCCAACCTGACCTGGGATACTCTGTACCATCCCTCGCT
 GCAGGAGAGGCCACCAAGGTGTGGTGCCTAACTCCATCTGCAACAGCAGCTGGACCTGGTGGCCACC
 CTCAGCCAACCTGGCCTGCAGGAATTGTCCAGGGCCAGACCTTCGTGGGATCTCTGAGCAGAATCTGG
 TGGTGTCTAGCGTGCAACATCAGTCTACCATGGAGCTCAGCGAGGCTGGTGTGGAGGCAGCCGACGCTG
 CAGCGTAGCCATGAATCGAATGTCCTCTCCTCTTCACTGTGAACCGACCCTTCTCTTCTCATCATG
 GAGGACACCATAGGCGTGCCTCTTTGTGGGAGTGTGAGGAACCTAACCCCGCGCGTGCCTCCAGC
 TCCAGGAACAGCGAGATTTCCCTGACAACAGGCTCATAGGCCAGAATGACAAAGCTGACTTCCATGGAGG
 CAAGACCTTTGGTCTGACTTGAACCTGCACCCCGCATGGAGGAAGACTACCCCGATTCAGCTCCCC
 AAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220102 representing NM_008878
 Red=Cloning site Green=Tags(s)

MALLRGLLVLSLSCLQGPCFTFSPVSAVDLPGQQPVSEQAQQKLPLPALFKLDNQDFGDHATLKRSPGHC
 KSVPTAEETRRLAQAMMAFTTDLFSLVAQTSTSSNLVLSPLSVALALSHLALGAQNQTLHSLHRVLMNT
 GSCLPHLLSHFYQNLGPGTIRLAARIYLQKGFPIKDDFLEQSERLFGAKPVKLTGKQEEEDLANINQWVKE
 ATEGKIEDFLSELPDSTVLLLLNAIHFHGFWRKFDPSLTQKDFHLDERFTVSVDMMHAVSYPLRWFL
 EQPEIQVAHFPPKNNMSFVVMPYFEWNVSEVLANLTDWTLYHPSLQERPTKVWLPKHLHLQQQLDLVAT
 LSQGLQELFQGPDLRGISEQNLVYSSVQHQSTMELSEAGVEAAAATSVAMNRMSLSSFTVNRPFLLFFIM
 EDTIGVPLFVGSVRNPNPSALPQLQEQRDSDNRLIGQNDKADFHGGKTFGPDCLKLAPRMEEDYPQFSSP
 K

TRTRPLE - GFP Tag - V

Restriction Sites:

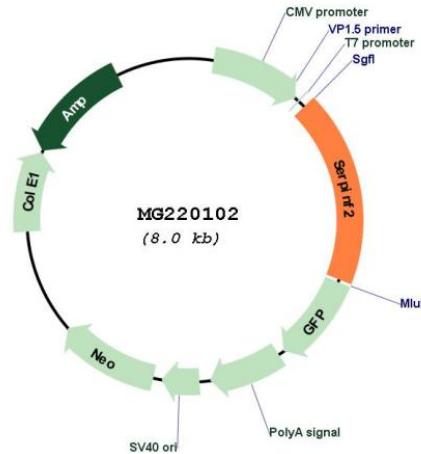
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008878

ORF Size: 1473 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:

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_008878.2](#), [NP_032904.1](#)

RefSeq Size: 2199 bp

RefSeq ORF: 1476 bp

Locus ID: 18816

UniProt ID: [Q61247](#)

Cytogenetics: 11 B5

Gene Summary: Serine protease inhibitor. The major targets of this inhibitor are plasmin and trypsin, but it also inactivates matriptase-3/TMPRSS7 and chymotrypsin (By similarity).[UniProtKB/Swiss-Prot Function]