

## Product datasheet for **MR220102**

### **Serpinf2 (NM\_008878) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Serpinf2 (NM_008878) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpinf2
Synonyms:	A1747498; Pli; Serpimf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR220102 representing NM\_008878  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCACTGCTCCGGGGCTCCTCGTACTCAGCTTGTCTGCCTGCAAGTCCCTGTTTCACGTTCTCTC  
 CGGTGAGCGCCGTGGATCTCCCGGGCCAGCAGCCAGTGAGTGAGCAGGCCAGCAGAAGCTGCCCTGCC  
 TGCCCTCTTCAAGTTGGACAACCAGGATTTTGGTGACCATGCTACCCTCAAGAGGTCCCCAGGACTGC  
 AAGAGTGTCCAACTGCAGAGGAGACTCGCAGGCTGGCTCAGGCCATGATGGCTTTACTACTGACCTGT  
 TCTCTTTGGTGGCCAAACATCTACCAGCTCCAACCTTGTCTGTCAACCCTTAGTGTGGCCCTAGCACT  
 CTCTCACCTGGCACTAGGTGCTCAGAACAACTACACAGCTTGCATCGAGTGTGCACATGAACACA  
 GGATCTGCCTCCGCATCTACTGAGCCATTTCTACCAGAACCTAGGCCAGGACAATCCGACTGGCTG  
 CCAGAATATACCTGCAGAAAGGATTTCCATCAAAGACGATTTCTGGAGCAATCGGAAAGGCTCTTTGG  
 TGCGAAGCCCGTAAAAGTACTGAAAGCAGGAGGAAGACCTGGCGAACATCAACCAATGGGTGAAGGAG  
 GCCACAGAGGGGAAGATTGAGGATTTCTCTCTGAGCTGCCGGATAGCACCGTGTCTTCTCTCAACG  
 CCATCCACTTTCACGGTTTCTGGAGGACCAAGTTTGACCCGAGCCTCACCCAGAAAGATTTCTTCCACT  
 GGATGAGCGGTTACAGTGTGGTGGACATGATGCACGCGGTGTCATATCCTCTTCGATGGTTCTGCTG  
 GAGCAACTGAGATACAGGTGGCTCATTCCCCTTAAGAACAACATGAGCTTTGTGGTGTGATGCCCA  
 CTTATTTTGTGAGTGAACGTGTCCGAGGTACTAGCCAACCTGACCTGGGATACTCTGTACCATCCCTCGCT  
 GCAGGAGAGGCCACCAAGGTGTGGTGCCTAACTCCATCTGCAACAGCAGCTGGACCTGGTGGCCACC  
 CTCAGCCAAGTGGCCTGCAGGAATTGTCCAGGGCCAGACCTTCGTGGGATCTCTGAGCAGAATCTGG  
 TGGTGTACTAGCGTGAACATCAGTCTACCATGGAGCTCAGCGAGGCTGGTGTGGAGGCAGCCGACGCTAC  
 CAGCGTAGCCATGAATCGAATGTCCTCTCCTCTTCACTGTGAACCGACCTTCTCTTCTCATCATG  
 GAGGACACCATAGGCGTGCCTCTTTGTGGCAGTGTGAGGAACCTAACCCCGCGCGTGCCTCCAGC  
 TCCAGGAACAGCGAGATTTCCCTGACAACAGGCTCATAGGCCAGAATGACAAAGCTGACTTCCATGGAGG  
 CAAGACCTTTGGTCTGACTTGAACCTGCACCCCGCATGGAGGAAGACTACCCCGAGTTCAGCTCCCC  
 AAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR220102 representing NM\_008878  
 Red=Cloning site Green=Tags(s)

MALLRGLLVLSLSCLQGPFCTFSPVSAVDLPGQQPVSEQAQQLPLPALFKLDNQDFGDHATLKRSPGHC  
 KSVPTAEETRRLAQAMMAFTTDLFSLVAQTSTSSNLVLSPLSVALALSHLALGAQNQTLHSLHRVLMHNT  
 GSCLPHLLSHFYQNLGPGTIRLAARIYLQKGFPIKDDFLEQSERLFGAKPVKLTGKQEE LANINQWVKE  
 ATEGKIEDFLSELPDSTVLLLLNAIHFHGFWRKTFDPSLTQKDFHLDERFTVSVDMMHAVSYPLRWFL  
 EQPEIQVAHFPPKNNMSFVVMPYFEWNVSEVLANLTWDTLYHPSLQERPTKVWLPKHLQQQLDLVAT  
 LSQGLQELFQGPDLRGISEQNLVVSSVQHQSTMELSEAGVEAAAATSVAMNRMSLSSFTVNRPFLLFFIM  
 EDTIGVPLFVGSVRNPNPSALPQLQEQRDSPDNRLIGQNDKADFHGGKTFGPDCLKLAPRMEEDYPQFSSP  
 K

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9006\\_g08.zip](https://cdn.origene.com/chromatograms/mm9006_g08.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



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

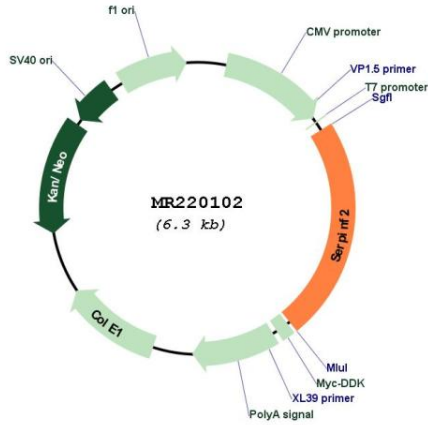
UniProt ID: [Q61247](#)

Cytogenetics: 11 B5

MW: 55.4 kDa

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]

**Product images:**



Circular map for MR220102