

Product datasheet for MR206610

Serpinf1 (NM_011340) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpinf1 (NM_011340) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpinf1
Synonyms:	A1195227; EPC-1; Pedf; Pedfl; Sdf3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206610 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGCCCTGGTGCTACTCCTCTGGACTGGAGCCCTGCTCGGGCACGGCAGCAGCCAGAACGTCCCCA
GCAGCTCTGAGGGCTCCCCAGTCCCGACAGCACGGGCGAGCCCGTGAGGAGGAGGACCCTTCTTCAA
GGTCCCTGTGAACAAGCTGGCAGCAGCTGTCTCCAACCTCGGCTACGATCTGTACCGCTGAGATCCAGT
GCCAGCCCAACGGCAACGTCTGCTGTCTCCACTCAGCGTGGCCACGGCCCTCTCTGCCCTTCTCTGG
GAGCTGAACATCGAACAGAGTCTGTCAATCACCAGGCTCTCTACTACGACCTGATCACCAACCTGACAT
CCACAGCACCTACAAGGAGCTCCTTGCCTCTGTTACTGCCCTGAGAAGAACCTCAAGAGTGCTTCCAGA
ATTGTGTTTGAGAGGAACTTCGAGTCAAATCCAGCTTTGTTGCCCTCTGGAGAAGTCTATGGGACCA
GGCCCCGGATCCTCACGGCAACCTCGAGTAGACCTTCAGGAGATTAACAACCTGGGTGCAGGCCAGAT
GAAAGGGAAGATTGCCCGGTCCACGAGGGAATGCCAGTGCCTCAGCATCCTTCTCCTTGGCGTGGCT
TACTTCAAGGGGAGTGGTAACCAAGTTTGACTCGAGAAAGACGACCCTCCAGGATTTTCATTTGGACG
AGGACAGGACCGTGAGAGTCCCCATGATGTCAGATCCTAAGGCCATCTTACGATACGGCTGGACTCTGA
TCTCAACTGCAAGATTGCCAGCTGCCCTTGACAGGAAGTATGAGCATCATCTTCTTCTGCCCTGACC
GTGACCCAGAACTTGACCATGATAGAAGAGAGCCTCACCTCTGAGTTCATTTCATGACATCGACCCGAGA
TGAAGACTATCCAAGCTGTGCTGACTGTCCCAAGCTGAAGCTGAGCTTGAAGGCGAAGTACCAAGTC
TCTGCAGGACATGAAGCTACAGTCGTTGTTGAATCACCCGACTTCAGCAAGATTACTGGCAAACCCGTG
AAGCTCACCCAAGTGGAACACAGGGCTGCTTTCGAGTGAATGAAGAGGGGGCAGGAAGCAGCCCCAGCC
CAGGCCTCCAGCCCGTCCGCCTCACCTTCCCGCTAGACTATCACCTTAACCAACCTTCTCTTTGTTCT
GAGGGACACGGACACGGGGGCCCTCTTTCATAGGCAGAATCCTGGACCCAGTAGTACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206610 protein sequence
Red=Cloning site Green=Tags(s)

MQALVLLLWTGALLGHGSSQNPSSSEGSVPDSTGEPVEEEDPFFKVPVNKLAAAVSNFGYDLYRLRSS
 ASPTGNVLLSPLSVATALSALSLGAEHRTESVIHRALYYDLITNPDHSTYKELLASVTAPEKNLKSASR
 IVFERKLRVKSSFVAPLEKSYGTRPRILTGNPRVDLQEINNWWQAQMKGK IARSTREMPALSILLGVA
 YFKGQWVTKFDSRKTTLQDFHLDEDRTVRVPMMSDPKAILRYGLDSDLNCKIAQLPLTGSM SIIFFLPLT
 VTQNLMTIEESLTSEFIHDI DRELKTIQAVLTVPKLKL SFE GELTKSLQDMKLQSLFESPDFSKITGKPV
 KL TQVEHRAAFEWNEEGAGSSPSGLQPVRLTFPLDYHLNQPFVFLRDTDTGALLFIGRILDPSST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011340

ORF Size: 1254 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_011340.3](#), [NP_035470.3](#)

RefSeq Size: 1497 bp

RefSeq ORF: 1254 bp

Locus ID: 20317

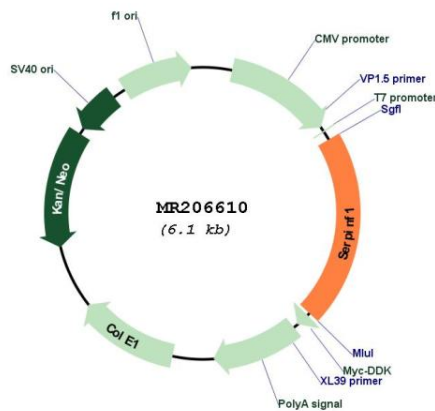
UniProt ID: [P97298](#)

Cytogenetics: 11 B5

MW: 46.2 kDa

Gene Summary: Neurotrophic protein; induces extensive neuronal differentiation in retinoblastoma cells. Potent inhibitor of angiogenesis. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206610