

Product datasheet for MR220930

Serpib2 (NM_011111) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpib2 (NM_011111) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serpib2
Synonyms:	ovalbumin; PAI-2; Planh2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220930 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGAACTTTCCATGGCAAACACCATGTTTGCCCTCAATCTCCTTAAGCAGATAGAAAAATCAAAC
CTACCCAGAACATCTTTATCTCTCCATGGAGCATCTCATCAACATTGGCCATAGTTCTCCTCGGTGCTGG
GGGTAACACTGAACAGCAGATGGCCAAAGTGTGCAGTTAATGAAATTGGCAGTTATGGTATCACCACA
AGAAACCCAGAGAACTTCAGTGGCTGTGATTTGCACAACAGATACAGAAGGAAAATTATCTAGTGCTA
TTTTACAGGCACAAGCAGGAGATAAAATCCATTACGCCTTCTCCTCTCAGCTCAACAATCAACACACC
ACAGGGGGATTATTTGTTAGAAAGTGCAAACAAGCTGTTTGGAGAGAAGTCTGCAAGATCAAGAAGAA
TACATCCAACCTCTAAGAAATATTACTCAACAGAACCAGAAGCAGTGGACTTCCTTGAATGTGCTGAAG
AAGCTAGGAAAAGATTAATCTTGGGTCAAGACTCAAACCAAAGGTGAAATCCCAAACCTGCTACCCGA
AGGTTCTGTAGATGAAGACACCAAGATGGTGTGGTGAATGCTGTCTACTTCAAAGGAAAGTGGAAAAC
CCATTTGAGAAGAACTTAATGGGCTTTATCCTTCCGTGTGAATCGCATGAGAGCATACCTGTCCAGA
TGATGTTCTCCATGCAAAGCTGAACATTGGATACATAAAGGACCTGAAGACTCAGATCCTAGAACTCC
GCATACTGGAAACATCAGCATGCTCCTGTTGCTTCCCGATGAGATTGAGGACGCATCCACTGGCTTGGAA
TTGCTGGAAAGTAAAATAAATTTGCCAACTTCAACAAGTGGATCAGCAAAGACACACTGGATGAAGAT
ATGTTGGTCTACATTCCTCAAGTTCAAACCTGGCACAAAGCTACGAACTCAAGTCCATTCTCAAAGCAT
GGGCATGGAGGATGCCTTCAACAAGGGCAAGGCCAACTTCTCAGGAATGTCTGAGAGGAATGACCTTTT
CTTTCTGAGGTGTTCCATCAAGCCAGCGTGGATGTCAAGGAGGGGCACTGTGGCAGCTGGTGGGACTG
GGGCAGTTATGACAGGAAGAAGTGGCCATGGTGGCCACAGTTTGTGGCCGATCATCCCTTTCTTTTCTT
TATCATGGACAAAATTACCCACACGATACTATTTGTTGGTAGATTCTCCTCACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220930 protein sequence
 Red=Cloning site Green=Tags(s)

MEELSMANTMFALNLLKQIEKSNSTQNIFISPWSISSTLAIIVLLGAGNTEQQMAKVLQFNEIGSYGITT
 RNPENFSGCDFAQQIQKENYPSAILQAQAGDKIHSAFSSLSTINTPQGDYLLSANKLFGEKSARFKEE
 YIQLSKKYSTEPEAVDFLECAEEAREKINSWVKQTQKGEIPNLLPEGSVDEDTKMVLVNAVYFKGKWK
 PFEKLNGLYPFRVNSHESIPVQMMFLHAKLNIGYIKDLKTQILELPHGTGNI SMLLLL PDEIEDASTGLE
 LLESEINFANFNKWI SKDTLDEDDVVVYIPKFKLAQSYELKSILQSMGMEDAFNKGANFSGMSERNDLF
 LSEVFHQASVDVTEEGTVAAGGTGAVMTGRTGHGGPQFVADHPFLFFIMDKITHTILFVGRFSSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011111

ORF Size: 1248 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_011111.4](#), [NP_035241.1](#)

RefSeq Size: 2007 bp

RefSeq ORF: 1248 bp

Locus ID: 18788

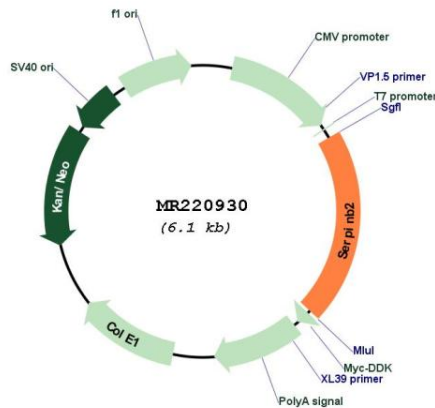
UniProt ID: [P12388](#)

Cytogenetics: 1 50.34 cM

MW: 46.3 kDa

Gene Summary: Inhibits urokinase-type plasminogen activator. The monocyte derived PAI-2 is distinct from the endothelial cell-derived PAI-1. Not required for normal murine development or survival. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220930