

## Product datasheet for **MR220932**

### Serpib2 (NM\_001174170) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Serpib2 (NM\_001174170) 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:** >MR220932 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGAACTTTCCATGGCAAACACCATGTTTGCCTCAATCTCCTTAAGCAGATAGAAAAATCAAAC  
CTACCCAGAACATCTTTATCTCTCCATGGAGCATCTCATCAACATTGGCCATAGTTCTCCTCGGTGCTGG  
GGGTAACACTGAACAGCAGATGGCCAAAGTGTGCAGTTAATGAAATTGGCAGTTATGGTATCACCACA  
AGAAACCCAGAGAACTTCAGTGGCTGTGATTTGCACAACAGATACAGAAGGAAAATTATCTAGTGCTA  
TTTTACAGGCACAAGCAGGAGATAAAATCCATTACGCTTCTCCTCTCAGCTCAACAATCAACACACC  
ACAGGGGGATTATTTGTTAGAAAGTGCAAACAAGCTGTTTGGAGAGAAGTCTGCAAGATTCAAAGAAGAA  
TACATCCAACCTCTAAGAAATATTACTCAACAGAACCAGAAGCAGTGGACTTCCTTGAATGTGCTGAAG  
AAGCTAGGAAAAGATTAATCTTGGGTCAAGACTCAAACCAAAGGTGAAATCCCAAACCTGCTACCCGA  
AGGTTCTGTAGATGAAGACACCAAGATGGTGTGGTGAATGCTGTCTACTTCAAAGGAAAGTGGAAAAC  
CCATTTGAGAAGAACTTAATGGGCTTTATCCTTCCGTGGAATCGCATGAGAGCATACCTGTCCAGA  
TGATGTTCTCCATGCAAAGCTGAACATTGGATACATAAAGGACCTGAAGACTCAGATCCTAGAACTTCC  
GCATACTGGAAACATCAGCATGCTCCTGTTGCTTCCCGATGAGATTGAGGACGCATCCACTGGCTTGGAA  
TTGCTGGAAAGTAAAATAAACTTTGCCAACTTCAACAAGTGGATCAGCAAAGACACACTGGATGAAGAT  
ATGTTGGTCTACATTCCTCAAGTTCAAACCTGGCACAAAGCTACGAACTCAAGTCCATTCTCAAAGCAT  
GGGCATGGAGGATGCCTTCAACAAGGGCAAGGCCAACTTCTCAGGAATGTCTGAGAGGAATGACCTTTTT  
CTTTCTGAGGTGTTCCATCAAGCCAGCGTGGATGTACCAGGAGGGCACTGTGGCAGCTGGTGGGACTG  
GGGCAGTTATGACAGGAAGAAGTGGCCATGGTGGCCACAGTTTGTGGCCGATCATCCCTTTCTTTTCTT  
TATCATGGACAAAATTACCCACACGATACTATTTGTTGGTAGATTCTCCTCACCC

**ACGGT**ACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR220932 protein sequence  
 Red=Cloning site Green=Tags(s)

MEELSMANTMFALNLLKQIEKSNSTQNIFISPWSISSTLAIIVLLGAGNTEQQMAKVLQFNEIGSYGITT  
 RNPENFSGCDFAQQIQKENYPSAILQAQAGDKIHSAFSSLSTINTPQGDYLLSANKLFGKSFARFKEE  
 YIQLSKKYYSTEPEAVDFLECAEEAREKINSWVKQTQKGEIPNLLPEGSVDEDTKMVLVNAVYFKGKWK  
 PFEKLNGLYPFRVNSHESIPVQMMFLHAKLNIGYIKDLKTQILELPHGTNISMLLLLPDEIEDASTGLE  
 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\_001174170

**ORF Size:** 1248 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\\_001174170.1](#), [NP\\_001167641.1](#)

**RefSeq Size:** 1988 bp

**RefSeq ORF:** 1248 bp

**Locus ID:** 18788

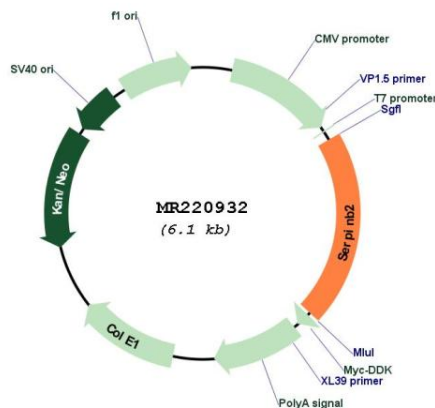
**UniProt ID:** [P12388](#)

**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 MR220932