

## Product datasheet for **MC227692**

### Serpina1a (NM\_001252569) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Serpina1a (NM_001252569) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Serpina1a
Synonyms:	Aat-2; Aat2; Dom1; PI1; Spi1-1; Spi1-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC227692 representing NM\_001252569  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTA**CTGTGCAATCCGTGTTCCGGTCTCCAGATTATTTACAGT**GAAAGGGCAGAAAGCACGGTGGAAAA  
 TGA**CTCCCTCCATCTCATGGGGTCTACTGCTTCTGGCAGGCCTGTGTGCCTGGTCCCAGCTTTCTGGC**  
 TGAGGATGTT**CAGGAGACAGACACCTCCAGAAGGATCAGTCCCCAGCCTCCCATGAGATCGCTACAAAC**  
 CTGGGAGACTTT**GCAATCAGCCTATACCGGGAGCTGGTCCATCAGTCCAACACTTCCAACATCTTCTTCT**  
 CCCCAGT**GAGCATTGCCACAGCCTTTGCTATGCTCTCCCTAGGGAGCAAGGGTGACACTCACACGCAGAT**  
 CCTAGAGGGCCT**GCAGTTC AACCTCACACAAACATCGGAGGCTGACATCCACAAGTCCTTCCAACACCTC**  
 CTCCAAACCTCAACAGACCAGACAGT**GAGCTGCAGCTGAGCACAGGCAATGGCCTCTTTGTCAACAATG**  
 ACCTGAAGCTGGTGGAGAAGTTTCTGGAAGAGGCCAAGAACCATTATCAGGCAGAAGTCTTCTCTGTCAA  
 CTTTGCAGAGT**CAGAGGAGGCCAAGAAAGTGATTAATGATTTTGTGGAGAAGGGAACCCAAGGAAAGATA**  
 GCTGAGGCGGTGAAAAA**ACTGGACCAAGACACAGTTTTCGCCCTGGCAAATTACATTCTCTTTAAAGGCA**  
 AATGGAAGAAGCCATT**CGATCCTGAGAACACTGAGGAAGCTGAGTTCCACGTGGACGAGTCCACCACGGT**  
 GAAGGTGCCCATGATGACCCTCTCGGGCATGCTT**CATGTGCACCATTGCAGCACGCTGTCCAGCTGGGTG**  
 CTGCTGATGGATTATGCAGGCAATGCCACTGCTGTCTTCTTCTGCCCGATGATGGGAAGATGCAGCATC  
 TGGAGCAA**ACTCTCAGCAAGGAGCTCATCTCTAAGTTCCTGCTAAACAGGCGCAGAAGGTTAGCCCAGAT**  
 CCACTTCCCAGACTGTCCATCTCTGGAGAATA**AACTGAAGACACTCATGAGTCCACTGGGCATCACC**  
 CGGATCTTCAACAATGGGGCTGACCTCTCCGGAATCACAGAGGAAAATGCTCCCCTGAAGCTCAGCCAGG  
 CTGTGCATAAGGCTGTGCTGACCATCGATGAGACAGGAACAGAGCTGCAGCAGTTACAGTCTTACAAAT  
 GGTTCCTATGCTATGCCCCCTATCCTGCGCTTCGACCACCCCTTCTTTTCATAATATTTGAAGAACAC  
 ACTCAGAGCCCCATCTTTTGGGAAAAGTGGTAGATCCCACACATAAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001252569
- Insert Size:** 1311 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001252569.1](#), [NP\\_001239498.1](#)

**RefSeq Size:** 1939 bp

**RefSeq ORF:** 1311 bp

**Locus ID:** 20700

**Cytogenetics:** 12 52.98 cM