

Product datasheet for **MG205803**

Serpinb8 (NM_011459) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serpinb8 (NM_011459) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Serpinb8
Synonyms:	CAP-2; CAP2; NK10; ovalbumin; Spi8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205803 representing NM_011459 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGATGACCTCAGTGAAGCCAATGGGTCTTTGCCATCAGTCTATAAAAATACTGAGTGAAAAAGACA
AGTCACGAAACCTGTTCTTCTGCCCATGAGTGTCTCCTCAGCCCTGGCCATGGTCTACCTTGGAGCCAA
AGGAAACTGCTACCCAGATGTCTGAGGTAAGTTGGTTTGGAGTGGAAATGGAGATGTTTCATCAAAGTTTC
CAGACACTTCTCGCTGAAATTAACAAAACACTGACACTCAGTACTTGTAAAAAGTGCCTGCCGACTCTTTG
GAGAAGAATCGTGTGATTTCTTTGACCTTCAAGGAATCCTGCCACAAATTCATCAGGCTGGACTAGA
AGAGCTGTCTTTGCTAAAGACACAGAAGGTGCAGGAAACACATCAATGACTGGGTGTCGGAAAAA
GAAGGTAATTTCTGAAGTTCTGAGTCTGGAACAGTCTGCCCACTGACTAAGCTGGTCTTGTGAATG
CCATGTATTTCAAAGGAAGTGAAGGCTCAGTTTGACCGAAAGTACACGAGAGGCATGCCCTTTAA
TAATCAGGAGAAAAAACAGTGCAGATGATGTTCAAGCATGCTAAATTTAAGATGGGGCATGTGGACGAG
GTGAACATGCAGGTTCTGGCTCTGCCATGCCGAGGAAGAGCTGAGCATGGTCATTCTCCTTCTGATG
AAAGCACTGATCTCGCCGTGGTGGAAAAAGCACTTACATATGAGAAGCTTAGAGCCTGGACAAACCCAGA
AACCTGACAGAAAGTCAAGTCAAGTCTTTTACCCAGATTAAGCTGGAGGAGAGTTACGACCTGGAA
ACTGTACTTCAGAAATTTGGGAATGACAGATGCCTTTGAGGAAACAAGGGCTGACTTCTCTGGCATGACAA
CTAAGAAGAATGTGCCGTGTCCAAGTTGCCACAAGTCTTTGTGGAGGTCAATGAGGAAGGCACCGA
AGCAGCTGCGGCCACTGCAGTGATTAGGAACGCCCGGTGCTGTAGAACAGAACCAAGTTCTGTGCTGAC
CACCCATTCTTTTCTTTATCTGGCACCACAAAACAGTAGCATCTTGTCTGTGGCAGGTTCTCTCTC
CA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205803 representing NM_011459
 Red=Cloning site Green=Tags(s)

MDDLSEANGSFAISLLKILSEKDKSRNLFFCPMSVSSALAMVYLGAKGNTATQMSEVLGLSGNGDVHQSF
 QTLLEINKTDTQYLLKSACRLFGEESCDLSTFKESCHKFYQAGLEELSFAKDTEGCRKHINDWVSEKT
 EGKISEVLSPGTVCPLTKLVLVNAMYFKGKWKQAQFDRKYTRGMPFKTNQEKKTVQMMFKHAKFKMGHVDE
 VNMQVLALPYAEEELSMVILLPDESTDLAVVEKALTYEKLRAWNPETL TESQVQVFLPRLKLEESYDLE
 TVLQNLGMTDAFEETRADFSGMTTKKNVPVSKVAHKCFVEVNEEGTEAAAATAVIRNARCCRTEPRFCAD
 HPFLFFIWHHKTSSILFCGRFSSP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011459

ORF Size: 1122 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_011459.4](#), [NP_035589.1](#)

RefSeq Size: 3075 bp

RefSeq ORF: 1125 bp

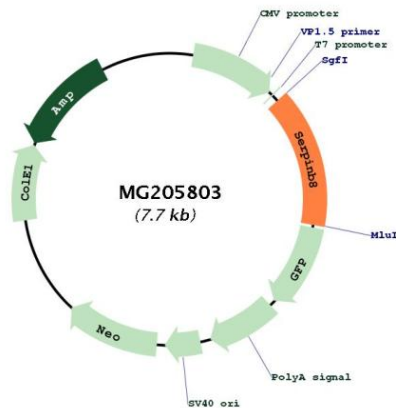
Locus ID: 20725

UniProt ID: [O08800](#)

Cytogenetics: 1 E2.1

Gene Summary: Has an important role in epithelial desmosome-mediated cell-cell adhesion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205803