

## Product datasheet for **MG216858**

### Serpib8 (NM\_001159748) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Serpib8 (NM_001159748) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Serpib8
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:	>MG216858 representing NM_001159748 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGACCTCAGTGAAGCCAATGGGTCTTTGCCATCAGTCTATTAATACTGAGTGAAAAAGACA  
AGTCACGAAACCTGTTCTTCTGCCCATGAGTGTCTCCTCAGCCCTGGCCATGGTCTACCTTGGAGCCAA  
AGGAAACTGCTACCCAGATGTCTGAGGACTTGGTTTGAGTGGAAATGGAGATGTTTCATCAAAGTTTC  
CAGACACTTCTCGCTGAAATTAACAAAACACTGACACTCAGTACTTGTTAAAAAGTGCCTGCCGACTCTTTG  
GAGAAGAATCGTGTGATTTCTTTGACCTTCAAGGAATCCTGCCACAAATCTATCAGGCTGGACTAGA  
AGAGCTGTCTTTGCTAAAGACACAGAAGGTGCAGGAAACACATCAATGACTGGGTGTCGGAAAAA  
GAAGTAAAAATTTCTGAAGTTCTGAGTCTGGAACAGTCTGCCACTGACTAAGCTGGTTCTTGTGAATG  
CCATGTATTTCAAAGGAAGTGAAGGCTCAGTTTGACCGAAAGTACACGAGAGGCATGCCCTTTAAAC  
TAATCAGGAGAAAAAACAGTGCAGATGATGTTCAAGCATGCTAAATTTAAGATGGGGCATGTGGACGAG  
GTGAACATGCAGGTTCTGGCTCTGCCCTATGCCGAGGAAGAGCTGAGCATGGTCATTCTCCTTCTGATG  
AAAGCACTGATCTCGCCGTGGTGAGCCCTGGGCGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216858 representing NM\_001159748  
 Red=Cloning site Green=Tags(s)

MDDLSEANGSFAISLLKILSEKDKSRNLFFCPMSVSSALAMVYLGAKGNTATQMSEVLGLSGNGDVHQSF  
 QTLLEINKTDTQYLLKSACRLFGEESCDLSTFKESCHKFYQAGLEELSF AKDTEGCRKHINDWVSEKT  
 EGKISEVLSPGTVCPLTKLVLVNAMYFKGKWAQFDRKYTRGMPFKTNQEKKTVQMMFKHAKFKMGHVDE  
 VNMQVLALPYAEELSMVILLPDESTDLAVVSPGR

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001159748

**ORF Size:** 735 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\\_001159748.1](#), [NP\\_001153220.1](#)

**RefSeq Size:** 1231 bp

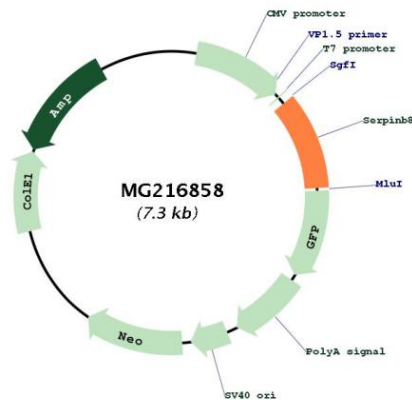
**RefSeq ORF:** 738 bp

**Locus ID:** 20725

**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 MG216858