

Product datasheet for **MG200055**

Serp1 (NM_030685) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Serp1 (NM_030685) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Serp1
Synonyms: D3Ucla1; Ramp4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200055 representing NM_030685
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCGCCAAGCAGAGGATCCGTATGGCCAACGAGAAGCACAGCAAGAACAATAACTCAGCGCGGCAACG
TCGCTAAGACCTCGAGAAATGCCCCGAAGAAAAGGCGTCGGTAGGACCCTGGTTATTGGCCCTTTCAT
TTTTGTTGTCTGTGGCTCTGCAATTTCCAGATTATCAAGTATCAGGATGGGCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200055 representing NM_030685
Red=Cloning site Green=Tags(s)

MVAKQRIRMANEKHSKNITQRGNVAKTSRNASPEEKASVGPWLLALFIFVCGSAIFQIIQSIRMGM

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



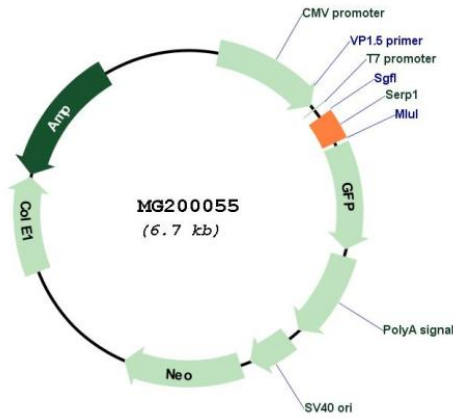
[View online »](#)

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_030685

ORF Size: 198 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:	<ol style="list-style-type: none">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_030685.3
RefSeq Size:	2314 bp
RefSeq ORF:	201 bp
Locus ID:	28146
UniProt ID:	Q9Z1W5
Cytogenetics:	3 28.58 cM
Gene Summary:	Interacts with target proteins during their translocation into the lumen of the endoplasmic reticulum. Protects unfolded target proteins against degradation during ER stress. May facilitate glycosylation of target proteins after termination of ER stress. May modulate the use of N-glycosylation sites on target proteins (By similarity).[UniProtKB/Swiss-Prot Function]