

Product datasheet for **MR200055**

Serp1 (NM_030685) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Serp1 (NM_030685) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Serp1
Synonyms: D3Ucla1; Ramp4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200055 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCGCCAAGCAGAGGATCCGTATGGCCAACGAGAAGCACAGCAAGAACAATAACTCAGCGCGGCAACG
TCGCTAAGACCTCGAGAAATGCCCCGAAGAAAAGGCGTCGGTAGGACCCTGGTTATTGGCCCTTTCAT
TTTTGTTGTCTGTGGCTCTGCAATTTCCAGATTATCAAGATCAGGATGGGCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200055 protein sequence
Red=Cloning site Green=Tags(s)
MVAKQRIRMANEKHSKNITQRGNVAKTSRNASPEEKASVGPWLLALFIFVCGSAIFQIIQSIRMG
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_030685

ORF Size: 201 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.

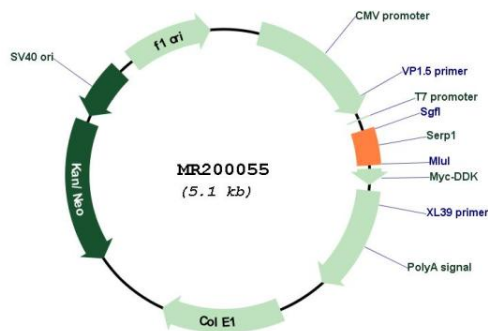
RefSeq: [NM_030685.3](#)

RefSeq Size: 2457 bp

RefSeq ORF: 201 bp
 Locus ID: 28146
 UniProt ID: [Q9Z1W5](#)
 Cytogenetics: 3 28.58 cM
 MW: 7.4 kDa

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]

Product images:



Circular map for MR200055