

Product datasheet for **MC214665**

Serf2 (NM_011354) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Serf2 (NM_011354) Mouse Untagged Clone
Tag: Tag Free
Symbol: Serf2
Synonyms: C80083; m4F5rel; Msmac1l
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214665 representing NM_011354
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCCGGTAACCAGCGAGAGCTCGCCGCCAGAAGAACATGAAGAAGCAGAGCGACTCGTTAAGG
GAAAGCGCCGAGATGATGGCTTTCTGCTGCCCGCAAGCAGAGGGACTCGGAGATCATGCAGCAGAA
GCAGAAAAGGCAAACGAGAAGAAGGAGGAACCCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011354
Insert Size: 180 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).

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).



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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_011354.3](#), [NP_035484.1](#)

RefSeq Size: 3072 bp

RefSeq ORF: 180 bp

Locus ID: 378702

UniProt ID: [P84102](#)

Cytogenetics: 2 E5

Gene Summary: Positive regulator of amyloid protein aggregation and proteotoxicity (By similarity). Induces conformational changes in amyloid proteins, such as HTT, driving them into compact formations preceding the formation of aggregates (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate splice site in the 3' terminal exon, which results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is shorter than isoform a.