

Product datasheet for RC204784

SERF2 (NM_001018108) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SERF2 (NM_001018108) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SERF2
Synonyms: 4F5REL; FAM2C; H4F5REL; HsT17089
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC204784 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACCCGCGGTAACCAGCGTGAGCTCGCCGCCAGAAGAATATGAAAAAGCAGAGCGACTCGGTTAAGG
 GAAAGCGCCGAGATGACGGGCTTCTGCTGCCGCCGCAAGCAGAGGGACTCGGAGATCATGCAGCAGAA
 GCAGAAAAGGCAAACGAGAAGAAGGAGGAACCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204784 protein sequence
 Red=Cloning site Green=Tags(s)

MTRGNQRELARQKNMKQSDSVKGKRRDDGLSAAARKQRDSEIMQQKQKKANEKKEEPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6426_e09.zip

Restriction Sites: SgfI-MluI


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Cloning Scheme:


ACCN: NM_001018108

ORF Size: 177 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.

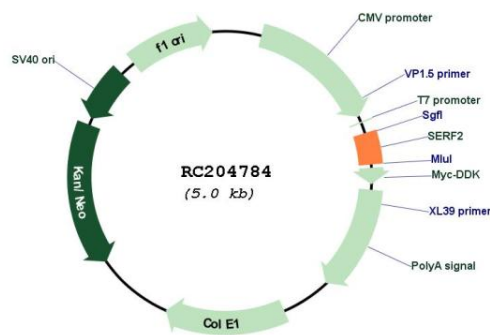
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001018108.4](#)

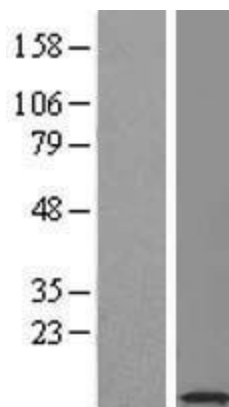
RefSeq Size: 3048 bp
 RefSeq ORF: 180 bp
 Locus ID: 10169
 UniProt ID: [P84101](#)
 Cytogenetics: 15q15.3
 MW: 6.9 kDa

Gene Summary: Positive regulator of amyloid protein aggregation and proteotoxicity (PubMed:20723760). Induces conformational changes in amyloid proteins, such as HTT, driving them into compact formations preceding the formation of aggregates (PubMed:20723760).[UniProtKB/Swiss-Prot Function]

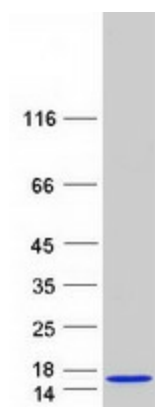
Product images:



Circular map for RC204784



Western blot validation of overexpression lysate (Cat# [LY422655]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204784 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SERF2 protein (Cat# [TP304784]). The protein was produced from HEK293T cells transfected with SERF2 cDNA clone (Cat# RC204784) using MegaTran 2.0 (Cat# [TT210002]).