

Product datasheet for **SC316360**

GRSF1 (NM_001098477) Human Untagged Clone

Product data:

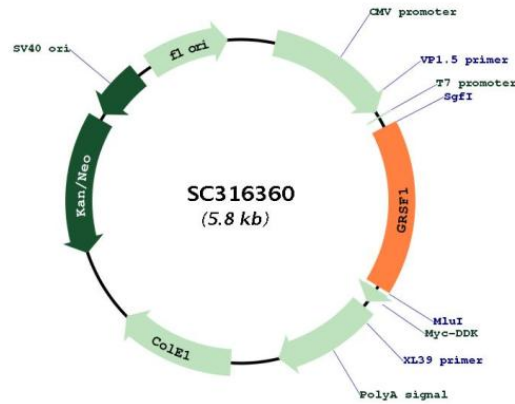
| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | GRSF1 (NM_001098477) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GRSF1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC316360 representing NM_001098477. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAAGATGTGCTTAACTTTTTTTCAGACTGCAGAATCCGCAACGGTGAGAATGGAATACATTTTCTC
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GCCTTAGAGAAGCACCGCATGTACATGGGCCAGCGGTATGTGGAAGTATATGAGATAAACAATGAAGAT
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GACATTATAAACTTTTTGCTCCACTCAAGCCTGTTAGAATCACCATGGAATACAGCTCCAGTGGGAAG
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TCCACGTTTCATCATAGGTATATTGAAGTTCCTGAATTCATGTCCAAAAGGAAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001098477

Insert Size: 957 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001098477.1](#)

RefSeq Size: 6482 bp

RefSeq ORF: 957 bp

Locus ID: 2926

UniProt ID: [Q12849](#)

Cytogenetics: 4q13.3

MW: 36.6 kDa

Gene Summary: The protein encoded by this gene is a cellular protein that binds RNAs containing the G-rich element. The protein is localized in the cytoplasm, and has been shown to stimulate translation of viral mRNAs in vitro. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) contains an alternate exon in the 5' coding region and uses a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.