

Product datasheet for **SC127624**

GRSF1 (NM_002092) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRSF1 (NM_002092) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRSF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127624 sequence for NM_002092 edited (data generated by NextGen Sequencing)

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ATGGCCGGCAGCGCTGGGTACTCGGGGCGCTGCTCCGGGGCTGCGGCTGTAAGTGCAGC
AGCTGCCGGCGCACCGGCCCGCCCTGCCTGCCCTTCTACTCCGCCGCTGGCTCTATCCCG
TCGGGCGTCTCGGGCCCGCCGCGCTGTGCTGCTGCTCGGGGCCCGCGGGCCGCTGCC
TCCCAGACGCGTGGCCTCCAGACCGGGCCTGTGCCTCCCGGGAGGCTGGCGGGCCCTCCC
GCTGTGGCCACCTTGCCTGCGGGCCGCGGGCCGCGCTACCTGCCCTCCGTGCCTCT
CTGCTGCCGACGTCGCTGGCGGGCCGCGCCGCTCCCGACGCGCAGCTACAGCCAGGAG
TCCAAAATACTTACCTGGAAGACCTTCCACCACCCCTGAGTATGAATTGGCCCGTCC
AAGTTAGAAGAGGAAGTGGATGATGCTTTCTCATTTCGAGCTCAAGGACTGCCCTGGTCA
TGCACTATGGAAGATGTGCTTAACTTTTTTTCAGACTGCAGAATCCGCAACGGTGAGAAT
GGAATACATTTTCTCCTAAACAGAGATGGGAAACGAAGGGGTGATGCCTTAATTGAAATG
GAGTCAGAGCAGGATGTGCAGAAAGCCTTAGAGAAGCACCGCATGTACATGGCCAGCGG
TATGTGGAAGTATATGAGATAAACAATGAAGATGTGGATGCCTTAATGAAGAGCTTGCAG
GTCAAATCTTCGCTGTGTTAAATGATGGTGTGGTTTCGTTTGGAGGACTTCCTTATAGT
TGCAATGAGAAAGACATTGTAGACTTCTTTCAGGACTGAATATAGTTGACATTACTTTT
GTGATGGACTATAGAGGGAGGCGAAAAACAGGGGAAGCCTATGTGCAATTTGAAGAACCA
GAAATGGCCAACCAAGCCCTGTTGAAACACAGGGAAAGAAATTTGTAATCGATACATCGAG
ATATTTCCAAGCAGAAGGAATGAAGTTCGAACACATGTCGGTTCTTATAAGGGAAAGAAA
ATCGCATCTTTTCTACTGCTAAGTATATAACTGAGCCAGAAATGGTCTTTGAAGAACAT
GAAGTAAATGAGGATATCAACCCATGACAGCTTTTAAAAGTGAAGGAAATAGAATTG
CCTAAGGAGGTGCCAGAAAAGCTTCCAGAGGCTGCTGATTTTGGAACTACGTCTTCTCTG
CATTTTGTCCACATGAGAGGATTACCTTTCCAAGCCAATGCCAAGACATTATAAACTTT
TTTGCTCCAATCAAGCCTGTTAGAATCACCATGGAATACAGCTCCAGTGGGAAGGCCACT
GGAGAAGCTGATGTGCACTTTGAGACCCATGAGGATGCTGTTGCAGCGATGCTCAAGGAT
CGGTCCCACGTTTCATCATAGGTATATTGAACTGTTCTCTGAATTCATGTCCAAAAGGAAAA
TAA
    
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Clone variation with respect to NM_002092.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_002092 unedited
TTGTAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGCTCGTGCCGAATTC
GGCACGAGGGCTGGAGCAGCTGCCTTCAGGCCCTGCGCCGCTCCGGAGTCCATGGCCGG
CACGCGTGGGTACTCGGGGCGCTGCTCCGGGGCTGCGGCTGTAAGTGCAGCAGCTGCCG
GCGCACCGGCCCGCCTGCCTGCCCTTCTACTCCGCCGCTGGCTCTATCCCGTCGGGCGT
CTCGGGCCCGCCGCGCTGCTGCTGCTGCTCGGGGCCCGCGGGCCGCTGCCTCCCAGAC
GCGTGGCTCCAGACCGGCCTGTGCCTCCCGGAGGCTGGCGGGCCTCCCGCTGTGGC
CACCTCTGCCGCGCCGCGGCCGCGCGTCTACCTGCCCTCCGTGCCTCTCTGCTGCC
GCAGTCGCTGGCNGCGCGGCCCGCTCCCGACGCGCAGCTACAGCCAGGAGTCCAAAA
CTACTTACCTGGAAGACCTTCCACCACCCCTGAGTATGAATTGGCCCGTCCAAGTTAG
AAGAGGAAGTGGATGATGCTTTTCTCATTTCGAGCTCAAGGACTGCCCTGGTCATGCACTA
TGGAAGATGTGCTTAACTTTTTTTCAGACTGCAGAATCCGCACGGGGAAGAAATGGAATAC
ATTTTCTCCTAACAGAGATGGGAAACAAAGGGGTGATGCCCTAATTGAAAGGGAGTCAGA
GCAGGATGTGCAGAAAGCCCTAGAAAAGCACCCCATGTACATGGCCAGCGGTAAAGGGG
AAGTTTATGAAATAAACAATGAAGATGTGGGAGCCCTTAATGAAAACTTGGCAGGCAAA
TCTTCGCTGTGAAAAGAAAGGGGGGGTCCGCTGAAAAGACCTCCCTAAAGTGAAA
GAAGAAAACAATGGAAACCTCTTTCAGCACGATTATAATGAG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002092 unedited NGGGACAATCCTCGCCCGCCCGCAATTTAGGAGCGAGTTTTTTTTTTTTTTTTTTTCAGC CTGAAACAATTTTTTCATTTATTGACTACAGTACAGTGATTTTCGCATCTTAGCTGGTAATC AAAGATGGTTATGTATTAAGTAAGAGAAGACATAGTCTCTTCCAGGTATCACCTGTCA GAAACCTGGGCAAATTTAATTTAAGAAGTACTGATCTCTCTGTTGGCAGTCGTCAC CCTGAGAACAGGAACAAGGCAAAGAAAGCATAACAGGATTTTGATTCTCTACACAGGTGC ACATAAAGTTAGTTTATTAATGACTATATTTGAAGCCAGCCATTTGTCCAATATTTAA ATAACAAGCTGTTAATATTAAGCAGAAAGTACTGCCACATTGTGACAGAAGTACAGCT TTATCCATAAACCTTCACACAATTATACATTAATGCTATTTTTATTTAAGCAAGGCAC CCCTACTGTCTAAAATATGGGATGTACTACTCCATTTAAAAAGCAAATGAGGAGACTG ATTTTTTCTATCTAGAGCTGGTTTAAATTCAGTGAAGCCATTAATTTTCTTACCAGT CTGGACTGTTCTGACATGCACTTCACAGTTTTGAGACTAACAAACACCCTTAGGTNTAC CCCAAACCAAAAAAGCCAGGGAGGGACAGTTTAGACAACCTTTAAGTTAAGACTAGAAT GCCCCCTTAAGTAGATAGGCACCACCGTTATACGCCTTTAGCACAGGGCTTAAGAAGGTA AACCATTTTTAAAGACTAAAAACCGTCAAATGGCATTACCTAAGCTGTGGGTATTTN TTGGTTTGATTTTTAAAAATTCCTATTTTTTAGGTATTCAATCCCGAAAAACTAACCT TATCCTCC
Restriction Sites:	NotI-NotI
ACCN:	NM_002092
Insert Size:	2500 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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
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_002092.2 , NP_002083.2
RefSeq Size:	2839 bp

RefSeq ORF: 1275 bp

Locus ID: 2926

UniProt ID: [Q12849](#)

Cytogenetics: 4q13.3

Domains: RRM

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 (1) represents the longer transcript and encodes the longer 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.