

Product datasheet for **RG203328**

EIF3S4 (EIF3G) (NM_003755) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF3S4 (EIF3G) (NM_003755) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EIF3S4
Synonyms:	eIF3-delta; EIF3-P42; eIF3-p44; EIF3S4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203328 representing NM_003755 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCCTACTGGAGACTTTGATTCTGAAGCCAGTTGGGCCGACCAGGTGGAGGAGGAGGGGAGGACGACA
 AATGTGTACACGAGCTCCTCAAGGGGATCCCTCTGGCCACAGGTGACACCAGCCAGAGCCAGAGCT
 ACTGCCGGGAGCTCCACTGCCGCTCCCAAGGAGGTATCAACGGAACATAAAGACAGTGACAGAGTAC
 AAGATAGATGAGGATGGCAAGAAGTTCAAGATTGTCCGACCTTCAGGATTGAGACCCGGAAGGCTTCAA
 AGGCTGTCGCAAGGAGGAAGAACTGGAAGAAGTTCGGGAAGTTCAGAGTTTGACCCCCCGGACCCAAATGT
 GGCCACCACCACTGTGAGTACGATGTCTCTATGACGTTTCATCACCAGCAAAGAGGACCTGAAGTCCAG
 GAGGAGGAGGACCTATGAACAACTCAAGGGCCAGAAGATCGTGTCTGCCGCATCTGCAAGGGCGACC
 ACTGGACCACCCGCTGCCCTACAAGGATACGCTGGGGCCATGCAGAAGGAGCTGGCCGAGCAGCTGGG
 CCTGTCTACTGGCGAGAAGGAGAAGCTGCCGGGAGAGCTAGAGCCGGTGCAGGCCACGCAGAACAGACA
 GGGAAGTATGTGCCGCCGAGCTGCGGACGGGGCCAGCCGCCGCGGGGAGTCCATGCAGCCCAACCGCA
 GAGCCGACGACAACGCCACCATCCGTGTACCAACTTGTGAGAGGACACGCGTGAGACCGACCTGCAGGA
 GCTCTTCCGGCCTTTCGGCTCTATCTCCGCATCTACCTGGCTAAGGACAAGACCACTGGCCAATCCAAG
 GGCTTTGCCTTCATCAGTTCCACGCCGCGAGGATGCTGCGCGTGCCATTGCCGGGGTGCCGGCTTTG
 GCTACGACCACCTCATCTCAACGTGAGTGGGCAAGCCGTCCACCAAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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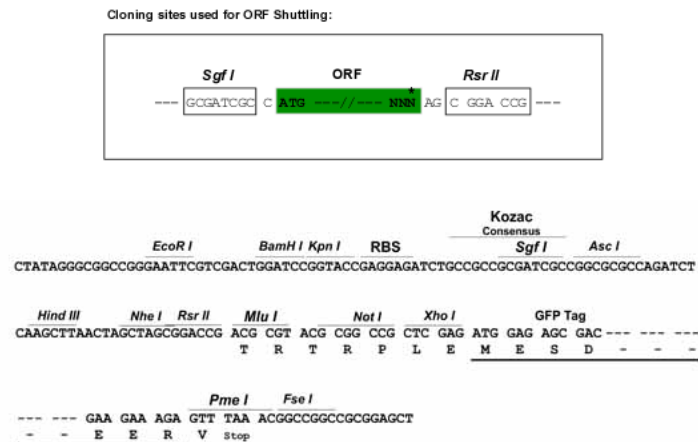
Protein Sequence: >RG203328 representing NM_003755
 Red=Cloning site Green=Tags(s)

MPTGDFDSKPSWADQVEEEGEDDKCVTSELLKGIPLATGDTSPPELLPGAPLPPPKEVINGNIKTVTEY
 KIDEDGKKFKIVRTFRIETRKASKAVARRKNWKKFGNSEFDPPGPNVATTTVSDDVSMTFITSKEDLNCQ
 EEEDPMNKLKGQKIVSCRICKGDHWTTRCPYKDTLGPMQKELAEQLGLSTGEKEKLPGELEPVQATQNK
 GKYPVPSLRDASRRGESMQPNRRADDNATIRVTNLSEDTRETDLQELFRPFGSISRIYLAKDKTTGQSK
 GFAFISFHRREDAARAIAGVSGFGYDHLILNVEWAKPSTN

SGPTRRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_003755

ORF Size: 960 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_003755.3](#), [NP_003746.2](#)

RefSeq Size: 1127 bp

RefSeq ORF: 963 bp

Locus ID: 8666

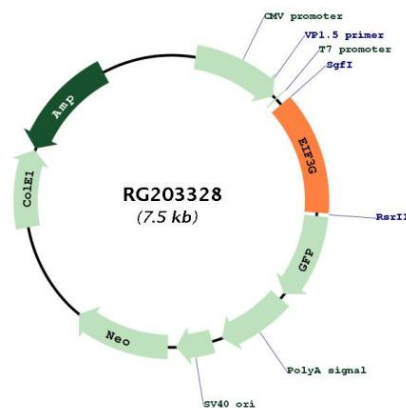
UniProt ID: [O75821](#)

Cytogenetics: 19p13.2

Domains: RRM

Gene Summary: This gene encodes a core subunit of the eukaryotic translation initiation factor 3 (eIF3) complex, which is required for initiation of protein translation. An N-terminal caspase cleavage product of the encoded protein may stimulate degradation of DNA. A mutation in this gene is associated with narcolepsy. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RG203328