

Product datasheet for MR212041

Eif4g3 (NM_172703) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eif4g3 (NM_172703) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eif4g3
Synonyms: 1500002J22Rik; 4930523M17Rik; eIF4GII; G1-419-52; repro8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR212041 representing NM_172703
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACACACAACCTCAGGCCGGTCTCCGTTTGCAGCGGGCCCTCGACCTGCCATCATCAGGGAGGAT
 TCAGACCCATCCAGTTTTTCCAGAGGCCCAAATCCAGCCTCCCCGAGCTGCCATCCCAAACAGCAGTCC
 TTCCATCCGTCCCGGTGTGCAGACCCCCACCGCGTGTATCAGGCCAACCAGCACATCATGATGGTTAAC
 CATCTGCCATGCCGTACCCCGTACCCAGGGGCATCAGTACTGCATACCACGTACCGCCACAGCGGCC
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 CCTATCATAGTGCCTACGCAGCAGCAGCCCCCTCCAGCCAAGAGAGAGAAAAAACTATAAGAATTCGAG
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GATGGGCAAGCAGAAGAGACTGCCGATCCCCAGAGCCTACATTCAGGAAGGAGCCCCGCCCCAGTGCAAA
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR212041 representing NM_172703
 Red=Cloning site Green=Tags(s)

MNSQPQARSPPFAAGPRPAHHQGGFRPIQFFQRPQIQPPRAAIPNSSPSIRPGVQPTAVYQANQHIMMVN
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 PIIIVPTQQPPAKREKKTIRIRDPNQGGKDITEEIMSGGSRNPTPIIGRPASTPTPPQQLPSQVPEHS
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 GNTVNFRLKLLNRCQKEFEKDKADDDVFEKKQKELEAASAPEERLRLHDELEEAKDKARRRSIGNIKFIG
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 ERSQITRDHMGHLLYQLVQSEKLSKQDFFKGFSETLELADDMAIDIPHIWLYLAELVTPMLKGGGISMRE
 LIVFEFSKPLLPVGRAGVLLSEILHLLCRQMSHKKVGALWREADLSWKDFLPEGEDVHHFLEQLDFTES
 EGPSSSEALSKKELSAEELSQRLEKLI MEKADDERIFDWVEANLDESQMSPTFLRALMTAVCKAAIIA
 DCSTFRVDTAVIKQRPVILLKYLDS DTEKELQALYALQASIVKLDQPANLLRMFFDCLYDEEVI SEDAFY
 KWESSKDPAEQAGKGVALKSVTAFFTWLREAEES EDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9048_h01.zip

Restriction Sites: Sgfl-MluI

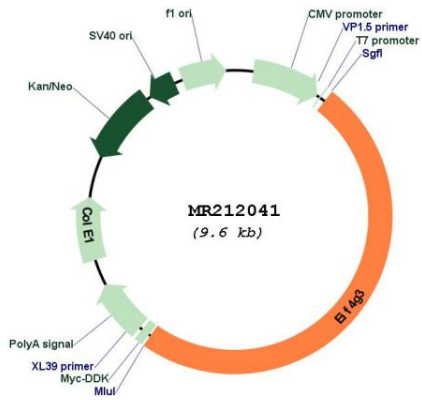
Cloning Scheme:



ACCN: NM_172703

ORF Size:	4734 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:	<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_172703.3 , NP_766291.2
RefSeq Size:	6145 bp
RefSeq ORF:	4737 bp
Locus ID:	230861
UniProt ID:	Q80XI3
Cytogenetics:	4 D3
MW:	175.2 kDa
Gene Summary:	Probable component of the protein complex eIF4F, which is involved in the recognition of the mRNA cap, ATP-dependent unwinding of 5'-terminal secondary structure and recruitment of mRNA to the ribosome. Thought to be a functional homolog of EIF4G1 (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212041