

Product datasheet for **TP512048**

Eif4g1 (NM_145941) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse eukaryotic translation initiation factor 4, gamma 1 (Eif4g1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T



[View online »](#)

Expression cDNA Clone >MR212048 representing NM_145941
 or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MNKAPQPTGPPPARSPLPQPAFPPGQTAPVVFSTPQATQMNTSPQPRQGGFRSLQHFYPSRAQPPSSAA
 SRVQSAAPARPGPAPHVYPAGSQVMMIPSQISYSASQGAYYIPGQGRSTYVPTQQYYPVQPGAPGFYPGA
 SPTEFGTYAGAYYPAQGVQQFPASVAPAPVLMNQPPQIAPKRERTIRIRDPNQGGKDITEEIMSGARTA
 STPTPPQTGGSLPQPNGESPQVAVIIRPDDRSQGAAGGRPGLPGPEHSPGTESQPSSPSPTSPPPPIL
 EPGSESNLGVLSIPGDTMTTGMIPIMSVEESTPISCETGEPYCLSPEPTLAEPILVEVTLTKPIPESEFS
 SSPLQVSTALVPHKVETHEPNGVIPSEDELEPEVESSTEPAPPPLSPCASESLVPIAPTAQPEELLNGAPS
 PPAVDLSPVSEPEEQAKKVSSAALASILSPAPPVAPSDTSPAQEEEMEEDDDDEEGGEAESEKGGEDVPL
 DSTPVAQLSQNLEVAATQVAVSVPKRRRRIKELNKEAVGDLLDAFKEVDPVAVPEVENQPPTGSNPSP
 ESEGSMPVTQPEETEETWDSKEDIHNAENIQPGEQKYEYKSDQWPLNLEEKRYDRELLGFQFIFAS
 MQKPEGLPHITDVVLKANKTPLRQLDPSRLPGINCGPDFTPSFANLGRPALSNRGPPRGGGPGGELPRG
 AGLGPRRSQQGPRKETRKIISSVIMTEDIKLNKAEKAWKPSSKRTAADKDRGEEDADGSKTQDLFRRVRS
 ILNKLTPQMFQQLMKQVTQLAIDTEERLKGVIDLIFEKAISEPNFSVAYANMCRCLMALKVPTTEKPTVT
 VNFRLKLLNRCQKEFEKDKDDDEVFEKKQKEMDEAATAEERGLKEELEEARDIARRRSLGNIFIGELF
 KLKMLTEAIMHDCVWLLKNHDEESLECLRLLTIGKDLDFAKAKPRMDQYFNQMEKIIKEKKTSSRIR
 FMLQDVLDRQSNWVPRRGDQGPKTIDQIHKEAEMEEHREHIKVVQLMAKGS DKRRGGPPGPPINRGLPL
 VDDGGWNTVPISKSRPIDTSRLTKITKPGSIDSNNQLFAPGGRLSWGKGS GGSGAKPSDTASEATRPA
 TLNRFALQQTLPAENTDNRRVQRSSLSRERGEKAGDRGDRLESERGGDRGDRLDARTPATKRSFSK
 EVEERSRERPSQPEGLRKAASLTEDRGRDPVKREATLPPVSPPKAALSVEVEKKS KAIIIEYLHLNDMK
 EAVQCVQELASPSLLFIFVRLGIESTLERSTIAREHMGRLHQLLCAGHLSTAQYYQGLYETLELAEDME
 IDIPHVWLYLAELITPILQEDGVPMGELFREITKPLRPMGKATSLLEILGLLCKSMGPKKVGMLWREAG
 LSWREFLAEGQDVGSFVAEKKVEYTLGEESEAPGQRTLAFEELRRQLEKLLKDGGSNQRVFDWIDANLNE
 QQIASNTLVRALMTTVCYSAIFETPLRVDVQVLKVRARLLQKYLCDCEQKELQALYALQALVVTLEQPAN
 LLRMFFDALYDEDVWKEDAFYSWESSKDPAEQQGKGVALKSVTAFFNWLREAEDDESDHN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 176.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_666053](#)

Locus ID: 208643

UniProt ID:	Q6NZI6
RefSeq Size:	5481
Cytogenetics:	16 B1
RefSeq ORF:	4800
Synonyms:	E030015G23Rik; eIF-4-gamma 1; eIF-4G 1; eIF-4G1; eIF4G1
Summary:	<p>This gene encodes a member of the eukaryotic translation initiation factors (eIF) that play important roles in translation initiation by mediating recruitment of additional initiation factors and providing a scaffold for ribosome/mRNA-bridging. Along with eIF4A and eIF4E, the encoded protein forms the eIF4F complex that bridges the 5' UTR with the polyadenylated 3' UTR resulting in mRNA circularization, enhanced translation initiation and mRNA stability. Through its association with eIF3, the encoded protein mediates recruitment of the 43S pre-initiation complex to mRNA. Alternative splicing of this gene results in multiple transcript variants. Pseudogenes for this gene have been identified on chromosomes 2 and 13. [provided by RefSeq, Jan 2015]</p>