

Recombinant Mouse Eif4g1 Protein, Myc/DDK-tagged

Cat. No. Eif4g1-2789M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length eukaryotic translation initiation factor 4, gamma 1 (Eif4g1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	176.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Eif4g1 eukaryotic translation initiation factor 4, gamma 1 [Mus musculus (house mouse)]

Official Symbol Eif4g1

Synonyms EIF4G1; eukaryotic translation initiation factor 4, gamma 1; eukaryotic translation initiation factor 4 gamma 1; eIF-4G1; eIF-4G 1; eIF-4-gamma 1; eIF4GI; E030015G23Rik; MGC37551; MGC90776

Gene ID 208643

mRNA Refseq NM_145941

Protein Refseq NP_666053

UniProt ID Q6NZJ6

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