

## Recombinant Human EIF4G1 protein, Myc/DDK-tagged

Cat. No. EIF4G1-02H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human EIF4G1 protein, fused to Myc/DDK-tagged, was expressed in HEK293T. Protein Pathways: Viral myocarditis.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	The protein encoded by this gene is a component of the multi-subunit protein complex EIF4F. This complex facilitates the recruitment of mRNA to the ribosome, which is a rate-limiting step during the initiation phase of protein synthesis. The recognition of the mRNA cap and the ATP-dependent unwinding of 5'-terminal secondary structure is catalyzed by factors in this complex. The subunit encoded by this gene is a large scaffolding protein that contains binding sites for other members of the EIF4F complex. A domain at its N-terminus can also interact with the poly(A)-binding protein, which may mediate the circularization of mRNA during translation. Alternative splicing results in multiple transcript variants, some of which are derived from alternative promoter usage.
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	175.3 kDa
<b>AA Sequence</b>	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Product-Related</b>	TA50011-100

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<b>Proteins</b>	LC404962 TA351152 RC219841
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Usage</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL

## GENE INFORMATION

<b>Gene Name</b>	EIF4G1 eukaryotic translation initiation factor 4 gamma 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	EIF4G1
<b>Synonyms</b>	EIF-4G1; EIF4F; EIF4G; EIF4GI; P220; PARK18
<b>Gene ID</b>	1981
<b>mRNA Refseq</b>	NM_198241
<b>Protein Refseq</b>	NP_937884
<b>MIM</b>	600495

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