

Recombinant Human EIF4G1 cell lysate

Cat. No. EIF4G1-545HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

Description

The protein encoded by this gene is a 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. Alternative splicing results in five transcript variants encoding four distinct isoforms.

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

GENE INFORMATION

Gene Name

EIF4G1 eukaryotic translation initiation factor 4 gamma, 1 [Homo sapiens]

Official Symbol

EIF4G1

Synonyms

EIF4G1; eukaryotic translation initiation factor 4 gamma, 1; EIF4F, EIF4G; eukaryotic translation initiation factor 4 gamma 1; p220; EIF4-gamma; eIF-4-gamma 1; eucaryotic translation initiation factor 4G; P220; EIF4F; EIF4G; EIF4GI; PARK18; EIF-4G1; DKFZp686A1451;

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Gene ID	1981
mRNA Refseq	NM_001194946
Protein Refseq	NP_001181875
MIM	600495
UniProt ID	Q04637
Chromosome Location	3q27-qter
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Destabilization of mRNA by AUF1 (hnRNP D0), organism-specific biosystem;
Function	protein binding; translation factor activity, nucleic acid binding; translation initiation factor activity;

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