

Recombinant Human EIF4E2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EIF4E2-2160H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EIF4E2 MS Standard C13 and N15-labeled recombinant protein (NP_004837) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation. Acts as a repressor of translation initiation. In contrast to EIF4E, it is unable to bind eIF4G (EIF4G1, EIF4G2 or EIF4G3), suggesting that it acts by competing with EIF4E and block assembly of eIF4F at the cap..
Molecular Mass	28.4 kDa
AA Sequence	MNNKFDALKDDDDSGDHDQNEENSTQKDGEKEKTERDKNQSSSKRKAVVPGPAEH PLQYNYTFWYSRRTPGRPTSSQSIEQNIQIGTFASVEQFWRFYSHMVRPGDLTG HSDFHLEKGIKPMWEDDANKNGGKWIIRLRKGLASRCWENLILAMLGEQFMVGEEI CGAVVSVRFQEDIISIWNKTASDQATTARIRDTLRRVLNLPNTIMEYKTHTDISKMP GRLGPQRLLFQNLWKPRNLNVPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.

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Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	EIF4E2 eukaryotic translation initiation factor 4E family member 2 [Homo sapiens (human)]
Official Symbol	EIF4E2
Synonyms	EIF4E2; eukaryotic translation initiation factor 4E family member 2; EIF4EL3, eukaryotic translation initiation factor 4E like 3; eukaryotic translation initiation factor 4E type 2; 4EHP; IF4e; eIF4E type 2; eIF-4E type 2; eIF4E-like protein 4E-LP; mRNA cap-binding protein 4EHP; eIF4E-like cap-binding protein; mRNA cap-binding protein type 3; eukaryotic translation initiation factor 4E-like 3; eukaryotic translation initiation factor 4E member 2; eukaryotic translation initiation factor 4E homologous protein; 4E-LP; EIF4EL3;
Gene ID	9470
mRNA Refseq	NM_004846
Protein Refseq	NP_004837
MIM	605895
UniProt ID	O60573

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SDS-PAGE

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