

Product datasheet for TP301391L

EIF4EL3 (EIF4E2) (NM_004846) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human eukaryotic translation initiation factor 4E family member 2 (EIF4E2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201391 protein sequence Red =Cloning site Green =Tags(s)
	MNNKFDALKDDDDSGDHDQNEENSTQKDGEKEKTERDKNQSSSKRKAWPGPAEHPLQYNYTFWYSRRTPG RPTSSQSIEQNIKQIGTFASVEQFWRFYSHMVRPGDLTGHSDFHFLFKEGKPMWEDDANKNGGKWIIRLR KGLASRCWENLILAMLGEQFMVGEEICGAVVSVRFQEDIISIWNKTASDQATTARIRDTLRRVLNLPNT IMEYKTHTDSIKMPGRLGPQRLLFQNLWKPRLNVP
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	28.2 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<u>NP_004837</u>
Locus ID:	9470



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UniProt ID: [O60573](#), [Q53RG0](#)

RefSeq Size: 1078

Cytogenetics: 2q37.1

RefSeq ORF: 735

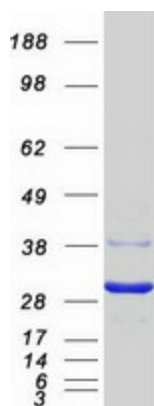
Synonyms: 4E-LP; 4EHP; EIF4EL3; h4EHP; IF4e

Summary: Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation (PubMed:9582349, PubMed:17368478, PubMed:25624349). Acts as a repressor of translation initiation (PubMed:22751931). 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Protein Families: Transcription Factors

Protein Pathways: Insulin signaling pathway, mTOR signaling pathway

Product images:



Coomassie blue staining of purified EIF4E2 protein (Cat# [TP301391]). The protein was produced from HEK293T cells transfected with EIF4E2 cDNA clone (Cat# [RC201391]) using MegaTran 2.0 (Cat# [TT210002]).