

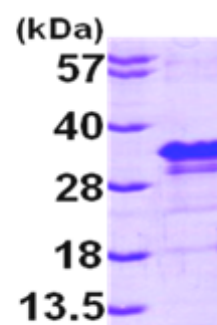
AR09601PU-L

Human EIF4E (1-217, His-tag) - Purified

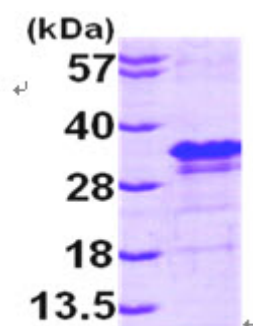
Alternate names:	EIF-4E, EIF4EL1, EIF4F, Eukaryotic translation initiation factor 4E, eIF-4F 25 kDa subunit, mRNA cap-binding protein
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	EIF4E, a member of eukaryotic initiation factor 4 families, modulates translation of maternal mRNAs in early embryos before the onset of zygotic transcription. This protein recognizes and binds to the 7 methyl GTP cap structure of eukaryotic mRNAs, thereby mediating the initiation of translation. It facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures.
Uniprot ID:	P06730
NCBI:	NP_001959
GeneID:	1977
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol
Description:	Recombinant human EIF4E protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MATVEPETTP TPNPPTTEEE KTESNQEVAN PEHYIKHPLQ NRWALWFFKN DSKSTWQANL RLISKFDTVE DFWALYNHIQ LSSNLMPGCD YSLFKDGI EP MWEDEKNKRG GRWLITLNKQ QRRSDLDRFW LETLLCLIGE SFDDYSDDVC GAVVNVRAKG DKIAIWTEC ENREAVTHIG RVYKERLGLP PKIVIGYQSH ADTATKSGST TKNRFV Molecular weight: 27.2 kDa (237aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Bendahmane A., et al. (2010) PLoS One. 5(6):e11313. Pelletier J., et al. (2010) J Gen Virol. 91(Pt 5):1224-8.

Pictures:

Recombinant human EIF4E, 1-217aa, His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)