

## Product datasheet for **AR09601PU-N**

### EIF4E (1-217, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	EIF4E (1-217, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MATVEPETTP TPNPPTTEEE KTESNQEVAN PEHYIKHPLQ NRWALWFFKN DKSKTWQANL RLISKFDTVE DFWALYNHIQ LSSNLMPGCD YSLFKDGI EP MWEDEKNKRG GRWLITLNKQ QRRSDLDRFW LETLLCLIGE SFDDYSDDVC GAVVNVR AKG DKIAIWTEC ENREAVTHIG RVYKERLGLP PKIVIGYQSH ADTATKSGST TKNRFVW
Tag:	His-tag
Predicted MW:	27.2 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human EIF4E protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001124150</u>
Locus ID:	1977
UniProt ID:	<u>P06730</u> , <u>X5D7E3</u> , <u>Q32Q75</u>
Cytogenetics:	4q23
Synonyms:	AUTS19; CBP; eIF-4E; EIF4E1; EIF4EL1; EIF4F



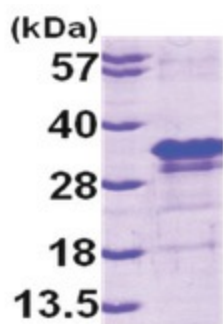
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**Summary:**

The protein encoded by this gene is a component of the eukaryotic translation initiation factor 4F complex, which recognizes the 7-methylguanosine cap structure at the 5' end of messenger RNAs. The encoded protein aids in translation initiation by recruiting ribosomes to the 5'-cap structure. Association of this protein with the 4F complex is the rate-limiting step in translation initiation. This gene acts as a proto-oncogene, and its expression and activation is associated with transformation and tumorigenesis. Several pseudogenes of this gene are found on other chromosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

**Protein Pathways:**

Insulin signaling pathway, mTOR signaling pathway

**Product images:**

15% SDS-PAGE (3ug)