

Recombinant Human EIF4E Protein, His tagged, Biotinylated

Cat. No. EIF4E-2775HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EIF4E protein (1-217 aa), fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. Purified protein was labeled with biotin in vitro
Species	Human
Source	E.coli
ProteinLength	1-217 aa
Description	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.
Form	Liquid
Molecular Mass	27.2 kDa
AASequence	MGSSHHHHHH SSGLVPRGSH MATVEPETTP TPNPPTTEEE KTESNQEVAN PEHYIKHPLQ NRWALWFFKN DKSKTWQANL RLISKFDTVEDFWALYNHIQ LSSN

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LM PG CD YSLFKDGIEP MWEDEKNKRG GRWLITLNKQ QRRSDLDRFW LET
LLCLIGE SFDDYSDDVC GAVNVNRAKG DKIAIWTTEC ENREAVTHIG
RVYKERLGLPPKIV IGYQSH ADTATKSGST TKNRFVV

Purity > 85% by SDS - PAGE

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Storage Buffer PBS buffer

Concentration 0.25 mg/ml

Conjugation Biotin

GENE INFORMATION

Gene Name EIF4E eukaryotic translation initiation factor 4E [Homo sapiens (human)]

Official Symbol EIF4E

Synonyms EIF4E; eukaryotic translation initiation factor 4E; CBP; EIF4F; AUTS19; EIF4E1; eIF-4E; EIF4EL1; eukaryotic translation initiation factor 4E; eIF-4F 25 kDa subunit; eukaryotic translation initiation factor 4E-like 1; mRNA cap-binding protein

Gene ID 1977

mRNA Refseq NM_001130678

Protein Refseq NP_001124150

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MIM	133440
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UniProt ID	P06730
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