

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	<p>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.</p>
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 YSLFKDGI EP MWEDEKNKRG GRWLITLNKQ QRRSDLDRFW LET
 LLCLIGE SFDDYSDDVC GAVVNVRAKG 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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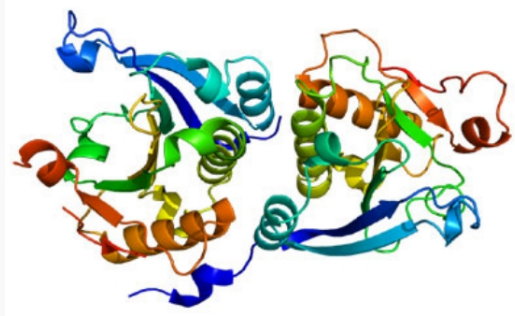
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MIM 133440

UniProt ID P06730

PDB rendering based
on 1ej1



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