9051 Mira Mesa Blvd, #910094
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EIF4E Human

Eukaryotic Translation Initiation Factor 4E Human Recombinant
RCP0741

Product Overview

Name	EIF4E Human
Description	
Eukaryotic Translation Initiation Factor 4E Human Recombinant	
Accession (Primary)	P06730
Synonyms	
CBP, EIF4E1, EIF4EL1, EIF4F.	
Introduction	
EIF4E is part of the eukaryotic initiation factor 4 families, controls translation of maternal mRNAs in early embryos before the onset of zygotic transcription. EIF4E identifies and binds to the 7 methyl GTP cap structure of eukaryotic mRNAs, thus modulates the initiation of translation. EIF4E enables ribosome binding by inducing the unwinding of the mRNAs secondary structures.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The EIF4E 0.5mg/ml protein solution contains 20mM Tris-HCl, pH-8, and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MATVEPETTP TPNPPTTEEE KTESNQEVAN PEHYIKHPLQ NRWALWFFKN DKSKTWQANL RLISKFDTVE DFWALYNHIQ LSSNLMPGCD YSLFKDGIEP MWEDEKNKRG GRWLITLNKQ QRRSDLDRFW LETLLCLIGE SFDDYSDDVC GAVVNVRAKG DKIAIWTTEC ENREAVTHIG RVYKERLGLP PKIVIGYQSH ADTATKSGST TKNRFVV.	
Precautions	

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EIF4E Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P06730)