9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

EIF4E Mouse

Eukaryotic Translation Initiation Factor 4E Recombinant Mouse
RCP0742

Product Overview

Name	EIF4E Mouse
Description	
Eukaryotic Translation Initiation Factor 4E Recombinant Mouse	
Accession (Primary)	P63073
Synonyms	
eIF-4E, eIF4E, mRNA cap-binding protein, eIF-4F 25 kDa subunit, Eif4e.	
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 clear solution.	
Formulation	
EIF4E protein solution (1mg/ml) 20mM Tris-HCl Buffer (pH8.0), 10% glycerol, 1mM DTT, 0.1M NaCl and 0.1mM PMSF.	
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 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MATVEP ETTPTTNPPP AEEEKTESNQ EVANPEHYIK HPLQNRWALW FFKNDKSKTW QANLRLISKF DTVEDFWALY NHIQLSSNLM PGCDYSLFKD GIEPMWEDEK NKRGGRWLIT LNKQQRRSDL DRFWLETLLC LIGESFDDYS DDVCGAVVNV RAKGDKIAIW TTECENRDAV THIGRVYKER LGLPPKIVIG YQSHADTATK SGSTTKNRFV V	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Precautions

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

Target Information: (P63073)