

32-13209: EIF4E Mouse

Alternative Name : eIF-4E, eIF4E, mRNA cap-binding protein, eIF-4F 25 kDa subunit, Eif4e.

Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

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.

EIF4E Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 241 amino acids (1-217 a.a) and having a molecular mass of 27.6kDa. EIF4E is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : EIF4E protein solution (1mg/ml) 20mM Tris-HCl Buffer (pH8.0), 10% glycerol, 1mM DTT, 0.1M NaCl and 0.1mM PMSF.

Storage condition : 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.

Amino Acid : MGSSHHHHHH SGLVPRGSH MGS MATVEP ETTPTTNPPP AEEKTESNQ EVANPEHYIK
HPLQNRWALW FFKNDKSKTW QANLRLISKF DTVEDFWALY NHIQLSSNLM PGCDYSLFKD
GIEPMWEDEK NKRGGRWLIT LNKQRRSDL DRFWLETLLC LIGESFDDYS DDVCGAVNVV RAKGDKIAIW
TTECENRDAV THIGRVYKER LGLPPKIVIG YQSHADTATK SGSTTKNRFV V