

Recombinant Human EIF4E Protein Complexed With m7GTP (1-217)

Cat. No. EIF4E-41H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EIF4E is expressed in E. coli as a single, non-glycosylated polypeptide chain containing 237 amino acids (1-217 a.a.). It is well purified by m7GTP affinity, ion exchange and gel filtration chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	1-217 a.a.
Description	Enables SUMO-specific isopeptidase activity. Involved in G2/M transition of mitotic cell cycle and protein desumoylation. Located in nuclear envelope and nucleolus. Orthologous to several human genes including SENP1 (SUMO specific peptidase 1) and SENP2 (SUMO specific peptidase 2).
Molecular Mass	28 kDa
AA Sequence	MATVEPETTPTPNPPTTEEEKTESNQEVANPEHYIKHPLQNRWALWFFKNDKSKTW QANLRLISKFDTVEDFWALYNHIQLSSNLMPGCDYSLFKDGIEMWEDEKNKRGR WLITLNKQRRSDLDRFWLETLLCLIGESFDDYSDDVCGAVNVRAKGDKIAIWTE CENREAVTHIGRVYKERLGLPPKIVIGYQSHADTATKSGSTTKNRFVV
Purity	> 98% by SDS-PAGE

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Usage	Binding assay, small molecule inhibitor screening, crytallization/co-crystallization, substrate of MNK1,2 or other kinase
Storage	>12 months at -80 centigrade, stable for 2-4 weeks at 4 centigrade, avoid multiple freeze-thaw cycles.
Concentration	0.5 mg/mL
Storage Buffer	eIF4E with 50 μ M m7GTP, 2 mM DTT, 10% glycerol, 0.02% NaN ₃ , 150 mM NaCl, 50 mM Tris-HCl pH7.5.

GENE INFORMATION

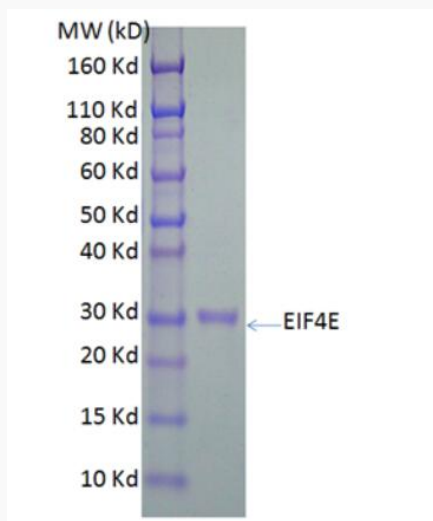
Gene Name	EIF4E eukaryotic translation initiation factor 4E [Homo sapiens (human)]
Official Symbol	EIF4E
Synonyms	EIF4E; eukaryotic translation initiation factor 4E; EIF4EL1, EIF4F; EIF4E1; eIF-4E; eIF-4F 25 kDa subunit; mRNA cap-binding protein; eukaryotic translation initiation factor 4E-like 1; CBP; EIF4F; EIF4EL1; MGC111573;
Gene ID	1977
mRNA Refseq	NM_001130678
Protein Refseq	NP_001124150
MIM	133440
UniProt ID	P06730

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SDS-PAGE



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