

Recombinant Human Eukaryotic Translation Initiation Factor 4E/EIF4E Protein

Cat.NO.: TP06052

3th Edition

Synonyms:Eukaryotic translation initiation factor 4E;eIF-4E;eIF-4F 25 kDa subunit;mRNA cap-binding protein;EIF4E;EIF4EL1;EIF4F

Description:Eukaryotic translation initiation factor 4E is a 217 amino acids protein that belongs to the eukaryotic initiation factor 4E family. eIF4F is a multi-subunit complex, the composition of which varies with external and internal environmental conditions. It is composed of at least EIF4A, EIF4E and EIF4G1/EIF4G3. EIF4E is also known to interact with other partners.It can recognize and bind the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis and facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures.

Form:PBS

Molecular Weight:25.1 kDa

Sequences:Met 1-Val217

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.