

Recombinant Human EIF4E

Catalog No: CH36

Description	Recombinant Human Eukaryotic Translation Initiation Factor 4E is produced by our E.coli expression system and the target gene encoding Met1-Val217 is expressed.	
Source	E. coli	
Alternative name	Eukaryotic translation initiation factor 4E;eIF-4E;eIF-4F 25 kDa subunit;mRNA cap-binding protein;EIF4E;EIF4EL1;EIF4F	
Accession No.	P06730	
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH7.4.	
Quality Control	Purity:	Greater than 95% as determined by reducing SDS-PAGE.
	Endotoxin:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.	
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.	
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.	

Background 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.

SDS-Page

