

Product Name: Recombinant Human EIF4E
Catalog #: PEH0564

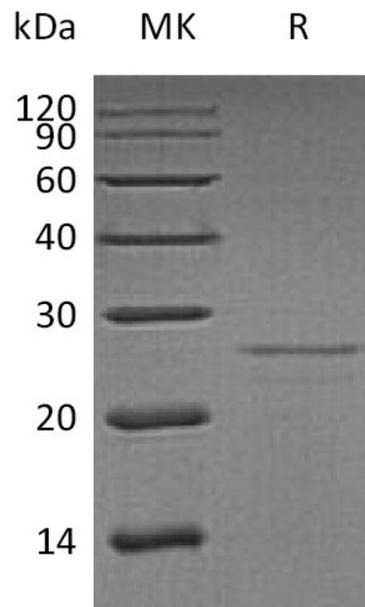


Summary

Name	eIF-4E/Eukaryotic translation initiation factor 4E
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Eukaryotic Translation Initiation Factor 4E is produced by our E.coli expression system and the target gene encoding Met1-Val217 is expressed.
Accession #	AAH12611.1
Host	E.coli
Species	Human
Predicted Molecular Mass	25.1 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 50 mM NaCl, 6% Trehalose, 0.05% Tween80, pH8.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

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

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.

Note

For Research Use Only , Not for Diagnostic Use.