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## Datasheet for ABIN7318456 EIF4E Protein

### Overview

Quantity:	50 µg
Target:	EIF4E
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human EIF4E Protein
Sequence:	Met 1-Val217
Characteristics:	Recombinant Human Eukaryotic Translation Initiation Factor 4E is produced by our E.coli expression system and the target gene encoding Met1-Val217 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	EIF4E
Alternative Name:	EIF4E ( <a href="#">EIF4E Products</a> )
Background:	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

## Target Details

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.

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

Molecular Weight: 25.1 kDa

UniProt: [P06730](#)

Pathways: [BCR Signaling](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.