

Recombinant Human eIF4E protein ab56276

[4 References](#) [1 Image](#)

Description

Product name	Recombinant Human eIF4E protein
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	51 kDa including tags
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab56276** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.00174% PMSF, 0.00386% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride, 0.307% Glutathione
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General Info

Function	Its translation stimulation activity is repressed by binding to the complex CYFIP1-FMR1 (By similarity). Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early
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step in the initiation of protein synthesis and facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures. Component of the CYFIP1-EIF4E-FMR1 complex which binds to the mRNA cap and mediates translational repression. In the CYFIP1-EIF4E-FMR1 complex this subunit mediates the binding to the mRNA cap.

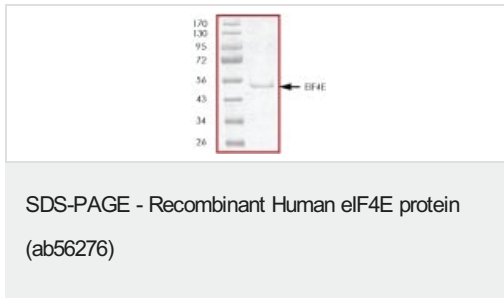
Sequence similarities

Belongs to the eukaryotic initiation factor 4E family.

Post-translational modifications

Phosphorylation increases the ability of the protein to bind to mRNA caps and to form the eIF4F complex.

Images



SDS Page analysis of ab56276

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