abcam

Product datasheet

Recombinant Human eIF4EBP1 protein ab85248

1 Image

Overview

Product name	Recombinant Human eIF4EBP1 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Species	Human
Additional sequence information	This protein has a GST tag.

Specifications

Our Abpromise guarantee covers the use of **ab85248** 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 Western blot
Form	Liquid

Preparation and Storage

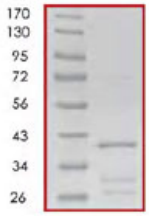
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.5

General Info

Function	Regulates eIF4E activity by preventing its assembly into the eIF4F complex. Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways.

Sequence similarities	Belongs to the eIF4E-binding protein family.
Post-translational modifications	Phosphorylated on serine and threonine residues in response to insulin, EGF and PDGF. Phosphorylation at Thr-37, Thr-46, Ser-65 and Thr-70 is regulated by mTORC1. Phosphorylated upon DNA damage, probably by ATM or ATR.

Images



SDS-PAGE - eIF4EBP1 protein (Tagged) (ab85248)

SDS-PAGE showing ab85248 at approximately 40kDa.

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