# abcam

# Product datasheet

# Recombinant Human eIF4EBP1 protein ab60007

## ★★★★ 1 Abreviews 2 Images

#### **Description**

Product name Recombinant Human elF4EBP1 protein

**Purity** > 95 % Densitometry.

Purified via His tag. Affinity purified.

Expression system Baculovirus infected Sf9 cells

Protein length Full length protein

Animal free No

Nature Recombinant

**Species** Human

#### **Specifications**

Our Abpromise guarantee covers the use of ab60007 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 -80°C. Avoid freeze / thaw cycles.

pH: 7.00

Preservative: 1.02% Imidazole

 $Constituents: 0.00174\%\ PMSF, 0.82\%\ Sodium\ phosphate, 0.00308\%\ DTT, 25\%\ Glycerol$ 

(glycerin, glycerine), 1.74% Sodium chloride

#### **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.

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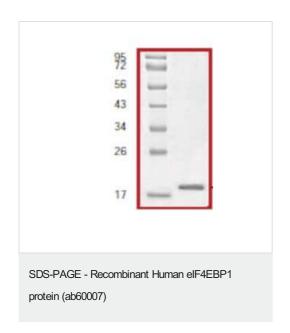
Sequence similarities

Post-translational modifications

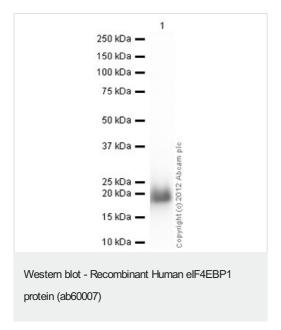
Belongs to the elF4E-binding protein family.

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**



ab60007 on SDS-PAGE.



Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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