

## eIF4E-BP1 recombinant protein

eIF4E-BP1, 1-118aa, Human, His tag, E Coli

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48556</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

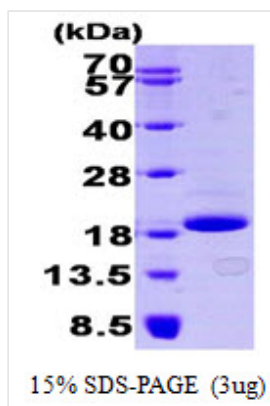
### PRODUCT SYNONYMS

eIF4E-BP1; 1-118aa; Human; His tag; E Coli; Eukaryotic translation initiation factor 4E-binding protein 1; 4E-BP1; 4EBP1; BP-1; MGC4316; PHAS-I; EIF4EBP1; eukaryotic translation initiation factor 4E binding protein 1; phosphorylated heat- and acid-stable protein regulated by insulin 1; ; eIF4E-BP1 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                           |                                                                                                                                                                                 |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                      | E Coli                                                                                                                                                                          |
| Purity/Purification                                       | > 95% by SDS-PAGE                                                                                                                                                               |
| Form/Format                                               | Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol                                                                                                           |
| Concentration                                             | 1 mg/ml (determined by BCA assay) (varies by lot)                                                                                                                               |
| Sequence                                                  | MGSSHHHHH SSGLVPRGSH MSGGSSCSQT PSRAIPATRR VVLGDGVQLP PGDYSTTPGG TLFSTTPGGT RIIYDRKFLM ECRNSPVTKT PPRDLPTIPG VTSPSSDEPP MEASQSHLRN SPEDKRAGGE ESQFEMDI                          |
| Sequence Length                                           | 118                                                                                                                                                                             |
| Applicable Applications for eIF4E-BP1 recombinant protein | SDS-PAGE                                                                                                                                                                        |
| Antigen Species                                           | Human                                                                                                                                                                           |
| Tag Information                                           | His-tag                                                                                                                                                                         |
| Preparation and Storage                                   | Can be stored at 4 degree C short term (1-2 weeks).<br>For long term storage, aliquot and store at -20 degree C or -70 degree C.<br>Avoid repeated freezing and thawing cycles. |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for eIF4E-BP1 recombinant protein | eIF4E-BP1, also known as eukaryotic translation initiation factor 4E-binding protein 1, is a member of a family of translation repressor proteins. This protein regulates eukaryotic translation initiation factor 4E (eIF4E) activity by preventing its assembly into the eIF4F complex and mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways. Recombinant EIF4EBP1 protein was expressed in E Coli and purified by using conventional chromatography techniques. |
| Product Categories/Family for eIF4E-BP1 recombinant protein   | Transcription & Translation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| References                                                    | Pause A., et al. (1994) Nature. 371:762-767.; Olsen JV., et al. (2006) Cell. 127 (3):635-48.;                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4758258                                                                                     |
| NCBI GeneID                      | 1978                                                                                        |
| NCBI Accession #                 | NP_004086                                                                                   |
| NCBI GenBank Nucleotide #        | NM_004095.3                                                                                 |
| UniProt Accession #              | Q13541; Q6IBN3; B2R502; D3DSW8                                                              |
| Molecular Weight                 | 14.7 kDa (138aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher) |
| NCBI Official Full Name          | eukaryotic translation initiation factor 4E-binding protein 1                               |
| NCBI Official Synonym Full Names | eukaryotic translation initiation factor 4E binding protein 1                               |
| NCBI Official Symbol             | EIF4EBP1                                                                                    |
| NCBI Official Synonym Symbols    | BP-1; 4EBP1; 4E-BP1; PHAS-I                                                                 |
| NCBI Protein Information         | eukaryotic translation initiation factor 4E-binding protein 1                               |
| UniProt Protein Name             | Eukaryotic translation initiation factor 4E-binding protein 1                               |
| UniProt Gene Name                | EIF4EBP1                                                                                    |
| UniProt Synonym Gene Names       | 4E-BP1; eIF4E-binding protein 1; PHAS-I                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/eif4ebp1-recombinant-protein-e-coli-sds-page/48556>