



# Recombinant Mouse Eukaryotic translation initiation factor 4E-binding protein 1 (Eif4ebp1)

<b>Product Code</b>	CSB-EP733716MO
<b>Abbreviation</b>	Eif4ebp1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q60876
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SAGSSCSQT PSRAIPTRRV ALGDGVQLPP GDYSTTPGGT LFSTTPGGTR IYDRKFLME CRNSPVAKTP PKDLPAIPGV TSPTSDEPPM QASQSQLPSS PEDKRAGGEE SQFEMDI
<b>Source</b>	E.coli
<b>Target Names</b>	Eif4ebp1
<b>Protein Names</b>	Recommended name: Eukaryotic translation initiation factor 4E-binding protein 1 Short name= 4E-BP1 Short name= eIF4E-binding protein 1 Alternative name(s): Phosphorylated heat- and acid-stable protein regulated by insulin 1 Short
<b>Expression Region</b>	2-117
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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