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

Product Code	CSB-EP730796RA
Abbreviation	Eif4ebp1
Storage	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.
Uniprot No.	Q62622
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	SAGSSCSQT PSRAIPTRRV ALGDGVQLPP GDYSTTPGGT LFSTTPGGTR IIYDRKFLME CRNSPVAKTP PKDLPTIPGV TSPTSDEPPM QASQSHLHSS PEDKRAGGEE SQFEMDI
Source	E.coli
Target Names	Eif4ebp1
Protein Names	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
Expression Region	2-117
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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	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.