

Eukaryotic translation initiation factor 4E-binding protein 1

Catalog No: #AP79352

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Package Size: #AP79352-1 50ug #AP79352-2 100ug #AP79352-3 1mg

Description

Product Name	Eukaryotic translation initiation factor 4E-binding protein 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Mouse
Immunogen Description	2-117AA
Other Names	Phosphorylated heat- and acid-stable protein regulated by insulin 1,PHAS-I
Accession No.	Q60876Gene name:Eif4ebp1
Uniprot	Q60876
GeneID	13685;
Calculated MW	12.76
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Repressor of translation initiation that regulates EIF4E activity by preventing its assembly into the eIF4F complex: hypophosphorylated form competes with EIF4G1/EIF4G3 and strongly binds to EIF4E, leading to repress translation. In contrast, hyperphosphorylated form dissociates from EIF4E, allowing interaction between EIF4G1/EIF4G3 and EIF4E, leading to initiation of translation (By similarity). Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways (PubMed:7629182).

References

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Note: This product is for in vitro research use only