

Recombinant Human Eukaryotic translation initiation factor 4E-binding protein 3(EIF4EBP3)

Catalog No: #AP70265

Package Size: #AP70265-1 20ug #AP70265-2 100ug #AP70265-3 1mg

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Description

Product Name	Recombinant Human Eukaryotic translation initiation factor 4E-binding protein 3(EIF4EBP3)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-100aaSequence Info:Full Length
Accession No.	O60516
Calculated MW	26.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MSTSTSCPIPGGRDQLPDCYSTTPGGTLYATTPGGTRIYDRKFLLECKNSPIARTPPCCLPQIPGVTTTPPTAPL SKLEELKEQETEEEEIPDDAQFEMDI
Formulation	Tris-based buffer50% glycerol
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.Notes: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.

References

4E-BP3, a new member of the eukaryotic initiation factor 4E-binding protein family.Poulin F., Gingras A.-C., Olsen H., Chevalier S., Sonenberg N.J. Biol. Chem. 273:14002-14007(1998)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only and is not intended for use in humans or animals.