Datasheet for ABIN5709455

eIF4EBP2 Protein (AA 1-120, full length) (GST tag)

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1 Image

Overview

Quantity:	100 µg
Target:	eIF4EBP2 (EIF4EBP2)
Protein Characteristics:	full length, AA 1-120
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This eIF4EBP2 protein is labelled with GST tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MSSSAGSGHQ PSQSRAIPTR TVAISDAAQL PHDYCTTPGG TLFSTTPGGT RIIYDRKFLL DRRNSPMAQT PPCHLPNIPG VTSPGTLIED SKVEVNNLNN LNNHDRKHAV GDDAQFEMDI
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	eIF4EBP2 (EIF4EBP2)
Alternative Name:	4EBP2 (EIF4EBP2 Products)
Background:	Repressor of translation initiation involved in synaptic plasticity, learning and mory formation . Regulates EIF4E activity by preventing its assbly into the eIF4F complex: hypophosphorylated form of EIF4EBP2 competes with EIF4G1/EIF4G3 and strongly binds to EIF4E, leading to

Target Details

	repress translation. In contrast, hyperphosphorylated form dissociates from EIF4E, allowing interaction between EIF4G1/EIF4G3 and EIF4E, leading to initiation of translation . EIF4EBP2 is enriched in brain and acts as a regulator of synapse activity and neuronal st cell renewal via its ability to repress translation initiation . Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways .
Molecular Weight:	40.3 kDa
UniProt:	Q13542

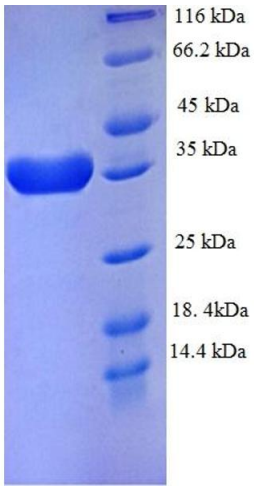
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



SDS-PAGE

Image 1.