9051 Mira Mesa Blvd, #910094
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EIF4EBP2 Human

Eukaryotic Translation Initiation Factor 4E-Binding Protein 2 Human Recombinant RCP0744

Product Overview

Name	EIF4EBP2 Human

Description

Eukaryotic Translation Initiation Factor 4E-Binding Protein 2 Human Recombinant

Accession (Primary)	Q13542

Synonyms

Eukaryotic Translation Initiation Factor 4E Binding Protein 2, 4E-BP2, eIF4E-binding protein 2, 4EBP2, PHASII, phosphorylated.

Introduction

EIF4EBP2 belongs to the eukaryotic translation initiation factor 4E binding protein family. Even though EIF4EBP2 protein binds eIF4E and inhibits translation initiation, growth factors can release this inhibition by a phosphorylation-dependent disruption. EIF4EBP2 mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase pathway. Regulation of this protein is associated to cell proliferation, cell differentiation and viral infection.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The EIF4EBP2 protein solution (0.5mg/ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MSSSAGSGHQ PSQSRAIPTR TVAISDAAQL PHDYCTTPGG TLFSTTPGGT RIIYDRKFLL DRRNSPMAQT PPCHLPNIPG VTSPGTLIED SKVEVNNLNN LNNHDRKHAV GDDAQFEMDI.

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Precautions

EIF4EBP2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q13542)