

Human EIF4B, C-His Tag Protein

HA210835



Product name:	Human EIF4B, C-His Tag
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human ANXA6 protein (P23588-1) (Met 1-Asp673) was expressed with a His tag at the C-terminus.

Background: Enables RNA binding activity. Predicted to be involved in eukaryotic translation initiation factor 4F complex assembly and formation of translation preinitiation complex. Located in cytosol. Biomarker of autism spectrum disorder and major depressive disorder. Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per µg by the LAL method.

Fragment region: EIF4B (395-611)

Source: E.coli

Accession: P23588-1

Predicted molecular mass: 25.5 kD

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 µg/ml in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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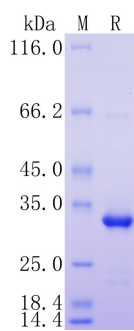


Fig1: Protein on SDS-PAGE under reducing (R) condition.

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