

Product datasheet

Recombinant Human beta Actin protein (His tag) ab240844

[3 Images](#)

Description

Product name	Recombinant Human beta Actin protein (His tag)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>P60709</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	PVLLTEAPLNPKANREKMTQIMFETFNTPAMYVAIQAVLSL YASGRTTGI VMDSGDGVTHTVPIYEGYALPHAILRLDLAGRDLTDYLMKIL TERGYSFT TTAEREMRDIKEKLCYVALDFEQEMATAASSSSLEKSYEL PDGQVITIG NERFRCPEALFQPSFLGMESCGIHETTFNSIMKCDVDIRK DLYANTVLSG GTTMYPGIADRMQKEITALAPSTMKIKIAPPERKYSVWIGG SILASLST FQQMWISKQEYDESGPSIVHRKCF
Predicted molecular weight	35 kDa including tags
Amino acids	102 to 375
Tags	His tag N-Terminus
Additional sequence information	N-terminal 6xHis-tagged.

Specifications

Our **Abpromise guarantee** covers the use of **ab240844** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
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Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
pH: 7.2
Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

General Info

Function Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

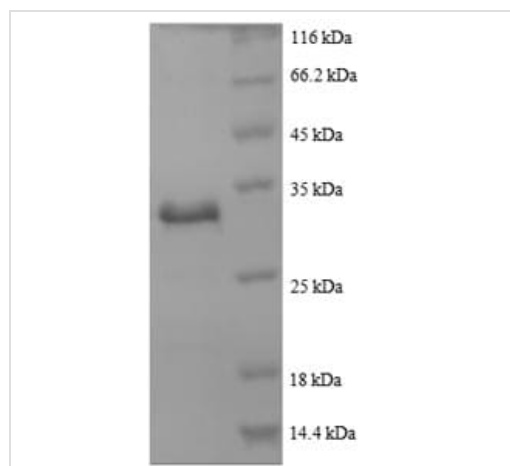
Involvement in disease Defects in ACTB are a cause of dystonia juvenile-onset (DYTJ) [MIM:607371]. DYTJ is a form of dystonia with juvenile onset. Dystonia is defined by the presence of sustained involuntary muscle contraction, often leading to abnormal postures. DYTJ patients manifest progressive, generalized, dopa-unresponsive dystonia, developmental malformations and sensory hearing loss.

Sequence similarities Belongs to the actin family.

Post-translational modifications ISGylated.

Cellular localization Cytoplasm > cytoskeleton. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

Images



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel analysis of ab240844.

SDS-PAGE - Recombinant Human beta Actin protein (His tag) (ab240844)

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors