abcam

Product datasheet

Recombinant Human beta Actin protein ab235730

Description

Product name	Recombinant Human beta Actin protein
Purity	> 85 % SDS-PAGE.
Expression system	Mammalian
Accession	P60709
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MDDDIAALVVDNGSGMCKAGFAGDDAPRAVFPSIVGRPR HQGVMVGMGQK DSYVGDEAQSKRGILTLKYPIEHGIVTNWDDMEKIWHHTFY NELRVAPEE HPVLLTEAPLNPKANREKMTQIMFETFNTPAMYVAIQAVLS LYASGRTTG IVMDSGDGVTHTVPIYEGYALPHAILRLDLAGRDLTDYLMKI LTERGYSF TTTAEREIVRDIKEKLCYVALDFEQEMATAASSSSLEKSYE LPDGQVITI GNERFRCPEALFQPSFLGMESCGIHETTFNSIMKCDVDIR KDLYANTVLS GGTTMYPGIADRMQKEITALAPSTMKIKIIAPPERKYSVWIG GSILASLS TFQQMWISKQEYDESGPSIVHRKCF
Predicted molecular weight	42 kDa
Amino acids	1 to 375

Specifications

Our Abpromise guarantee covers the use of **ab235730** 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
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle. 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.

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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