

Recombinant Human ACTB Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ACTB-074H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACTB MS Standard C13 and N15-labeled recombinant protein (NP_001092) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins that are ubiquitously expressed. Mutations in this gene cause Baraitser-Winter syndrome 1, which is characterized by intellectual disability with a distinctive facial appearance in human patients. Numerous pseudogenes of this gene have been identified throughout the human genome.
Molecular Mass	41.6 kDa
AA Sequence	MDDDIAALVVDNGSGMCKAGFAGDDAPRAVFPSIVGRPRHQGVMMVGMGQKDSYV GDEAQSQRGILTLKYPIEHGIVTNWDDMEKIWHHTFYNELRVAPEEHPVLLTEAPLNP KANREKMTQIMFETFNTPAMYVAIQAVLSLYASGRTTGIVMDSGDGVTHTVPIYEGY ALPHAILRLDLAGRDLTDYLMKILTERGYSFTTTAEREIVRDIKEKLCYVALDFEQEMA TAASSSSLEKSYELPDGQVITIGNERFRCPEALFQPSFLGMESCGIHETTFNSIMKCD VDIRKDLYANTVLSSGGTTMYPGIADRMQKEITALAPSTMKIKIIPPERKYSVWIGGSIL

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	ASLSTFQQMWISKQEYDESGPSIVHRKCFTRTRPLEQKLISEEDLAANDILDYKDDD DKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ACTB actin beta [Homo sapiens (human)]
Official Symbol	ACTB
Synonyms	ACTB; actin beta; BRWS1; PS1TP5BP1; actin, cytoplasmic 1; I(2)-actin; PS1TP5-binding protein 1; beta cytoskeletal actin
Gene ID	60
mRNA Refseq	NM_001101
Protein Refseq	NP_001092
MIM	102630

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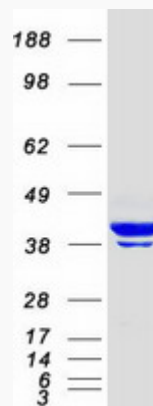
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UniProt ID

P60709

SDS-PAGE

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