

Recombinant Human ACTR1B Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ACTR1B-371H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACTR1B MS Standard C13 and N15-labeled recombinant protein (NP_005726) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a 42.3 kD subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein and is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit, like ACTR1A, is an actin-related protein. These two proteins, which are of equal length and share 90% amino acid identity, are present in a constant ratio of approximately 1:15 in the dynactin complex. [provided by RefSeq, Aug 2008]
Molecular Mass	42.3 kDa
AA Sequence	MESYDIIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHMRVMAGALEGDLF IGPKAEEHRGLLTIRYPMEHGVVRDWNDMERIWQYVYSKDQLQTFSEEHPVLLTEA PLNPSKNREKAAEVFFETFNVPALFISMQAVLSLYATGRTTGVVLDSGDGVTHAVPIY EGFAMPHSIMRVDIAGRDVSRYLRLLLRKEGVDFHTSAEFEVVRTIKERACYLSINPQ

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KDEALETEKVQYTLPDGSTLDVGPARFRAPELLFQPDLVGDESEGLHEVVAFAIHKS
DMDLRRTLAFANIVLSGGSTLFKGFGRLLSEVKKLAPKDIKIKISAPQERLYSTWIGGS
ILASLDTFKKMWVSKKEYEEDGSRAIHRKTFTRTRPLEQKLISEEDLAANDILDYKDD
DDKV

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 ACTR1B ARP1 actin-related protein 1 homolog B, centractin beta (yeast) [Homo sapiens (human)]

Official Symbol ACTR1B

Synonyms ACTR1B; ARP1 actin-related protein 1 homolog B, centractin beta (yeast); ARP1 (actin related protein 1, yeast) homolog B (centractin beta), CTRN2; beta-centractin; centractin beta; actin-related protein 1B; PC3; ARP1B; CTRN2;

Gene ID 10120

mRNA Refseq NM_005735

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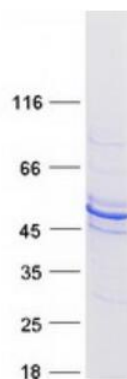
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Protein Refseq NP_005726

MIM 605144

UniProt ID P42025

SDS-PAGE



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