

Recombinant Full Length Human ACTR1B Protein, Flag tagged

Cat. No. ACTR1B-15HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human ARP1 actin-related protein 1 homolog B, centractin beta (yeast) (ACTR1B) with Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-376 aa
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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	42.1 kDa
AASequence	MESYDIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHMRVMAGALEGDLF IGPKAEEHRGLLTIRYPMEHGVVRDWNDMERIWQYVYSKDQLQTFSEEHPVLLTEA PLNPSKNREKAAEVFFETFNVPALFISMQAVLSLYATGRTTGVLDSGDGVTHAVPIY

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EGFAMPHSIMRVDIAGRDVSRYLRLLLRKEGVDFHTSAEFEVVRTIKERACYLSINPQ
KDEALETEKVQYTLPDGSTLDVGPFRAPPELLFQPDLVGDESEGLHEVVAFAIHKS
DMDLRRTL FANIVLSGGSTLFKGFGDRLLSEVKKLAPKDIKISAPQERLYSTWIGGS
ILASLDTFKKMWVSKKEYEEDGSRAIHRKTFTRTRPLEQKLISEEDLAANDILDYKDD
DDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Notes For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration > 0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

Gene Name ACTR1B actin related protein 1B [Homo sapiens (human)]

Official Symbol ACTR1B

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

Gene ID 10120

mRNA Refseq NM_005735

Protein Refseq NP_005726

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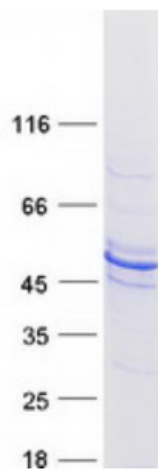
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MIM 605144

UniProt ID P42025

SDS-PAGE and WB



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