

Recombinant Human ACTR1B Protein, GST-tagged

Cat. No. ACTR1B-234H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACTR1B full-length ORF (NP_005726.1, 1 a.a. - 376 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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	68.7 kDa
AA Sequence	MESYDIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVGRPKHMRVMAGALEGDLF IGPKAEHRGLLTIRYPMEHGVVRDWNDMERIWQYVYSKDQLQTFSEEHPVLLTEA PLNPSKNREKAAEVFFETFNVPALFISMQAVLSLYATGRRTTGVVLDSGDGVTHAVPIY EGFAMPHSIMRVDIAGRDVSRYLRLLLRKEGVDFHTSAEFEVVRTIKERACYLSINPQ KDEALETEKVQYTLDPDGSTLDVGPARFRAPELLFQPDLVGDESEGLHEVVAFAIHKS

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	DMDLRRTLFANIVLSGGSTLFKGFGDRLLSEVKKLAPKDIKIKISAPQERLYSTWIGGS ILASLDTFKKMWVSKKEYEEDGSRAIHRKTF
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ACTR1B ARP1 actin-related protein 1 homolog B, centractin beta (yeast) [Homo sapiens]
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
Protein Refseq	NP_005726

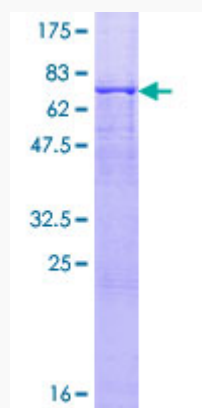
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MIM 605144

UniProt ID P42025



12.5% SDS-PAGE Stained with Coomassie Blue.

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