

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 PLNPSKNREKAAEVFFETFNVPALFISMQAVLSLYATGRTTGVVLDSGDGVTHAVPIY EGFAMPHSIMRVDIAGRDVSRYLRLLLRKEGVDFHTSAEFEVVRTIKERACYLSINPQ KDEALETEKVQYTLDPDGSTLDVGPARFRAPELLFQPDLVGDESEGLHEVVAFAIHKS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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](#)

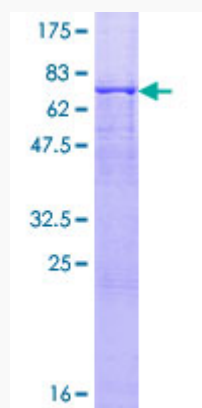
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MIM 605144

UniProt ID P42025



12.5% SDS-PAGE Stained with Coomassie Blue.

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