

Recombinant Human ACTR1B Protein, His-tagged

Cat. No. ACTR1B-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human actin related protein 1B(ACTR1B)(NM_005735), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
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	Purified protein formulated in a sterile solution of TBS buffer, pH7.21, without any preservatives.
Molecular Mass	42.1 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

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](#)

MIM

[605144](#)

UniProt ID

[P42025](#)

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