

## Recombinant Human ACTR1B Protein, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human actin related protein 1B(ACTR1B)(NM_005735), with a His tag, was expressed in human cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Purified protein formulated in a sterile solution of TBS buffer, pH7.21, without any preservatives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 42.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Endotoxin</b>        | Endotoxin level is < 0.1 ng/g of protein (<1EU /g)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >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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