

Recombinant Human ACTR1B, His-tagged

Cat. No. ACTR1B-26592TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-376 of Human ACTR1B with N terminal His tag, 46kDa.
Species	Human
Source	E.coli
ProteinLength	1-376 a.a.
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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 84 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MESYDIIANQPVIDNGSGVIKAGFAGDQIPKYCFPNYVG RPKHMRVMAGALEGDL FIGPKAEEHRGLLTIRYPMEHG VVRDWNDMERIWQYVYSKDQLQTFSEEHPVLLTE APLN PSKNREKAAEVFFETFNVPALFISMQAVLSLYATGRTTGV VLDSGDGVTHAV PIYEGFAMPHSIMRVDIAGRDVSRYL RLLLRKEGVDFHTSAEFEVVRTIKERACYLSI NPQKDE ALETEKVQYTLPDGSTLDVGPARFRAPELLFQPDLVGDES EGLHEVVAF AIHKSDMDLRRTLFANIVLSGGSTLFKGF GDRLLSEVKKLAPKDIKISAPQERLYST WIGGSILA SLDTFKKMWVSKKEYEEDGSRAIHRKTF
Sequence Similarities	Belongs to the actin family. ARP1 subfamily.
Full Length	Full L.
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 ;
Gene ID	10120
mRNA Refseq	NM_005735
Protein Refseq	NP_005726

MIM	605144
Uniprot ID	P42025
Chromosome Location	2q11.1-q11.2
Function	ATP binding; nucleotide binding; protein binding;

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