

Recombinant Full Length Human ACTR1B Protein, GST-tagged

Cat. No. ACTR1B-854HF **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	In Vitro Cell Free System
ProteinLength	376 amino acids
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	MESYDIANQ PVVIDNGSGV IKAGFAGDQI PKYCFPNYVG RPKHMRVMAG ALEGDLFIGP KAEHRGLLT IRYPMHEGVV RDWNDMERIW QYVYSKDQLQ TFSEHPVLL TEAPLNPSKN REKAAEVFFE TFNVPALFIS MQAVLSLYAT GRTTGVLDS GDGVTHAVPI YEGFAMPHSI MRVDIAGR DV SRYLRLLLRK

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EGVDFHTSAE FEVVRTIKER ACYLSINPQK DEALETEKVQ YTLPDGSTLD
 VGPARFRAPE LLFQPDVLGD ESEGLHEVVA FAIHKSDMDL RRTLFANIVL
 SGGSTLFKGF GDRLLSEVKK LAPKDIKIKI SAPQERLYST WIGGSILASL
 DTFKKMWVSK KEYEEDGSRA IHRKTF

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

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
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UniProt ID	P42025
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