Recombinant Full Length Human ACTR1A Protein, GST-tagged

Cat. No. ACTR1A-853HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACTR1A full-length ORF (AAH00693, 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 42.6 kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It 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 is present in 8-13 copies per dynactin molecule, and is the most abundant molecule in the dynactin complex. It is an actin-related protein, and is approximately 60% identical at the amino acid level to conventional actin. [provided by RefSeq, Jul 2008]
Molecular Mass	67.10 kDa
AA Sequence	MESYDVSANQ PVVIDNGSGV IKAGFAGDQI PKYCFPNYVG RPKHVRVMAG ALEGDIFIGP KAEEHRGLLS IRYPMEHGIV KDWNDMERIW QYVYSKDQLQ TFSEEHPVLL TEAPLNPRKN RERAAEVFFE TFNVPALFIS MQAVLSLYAT GRTTGVVLDS GDGVTHAVPI YEGFAMPHSI MRIDIAGRDV SRFLRLYLRK

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	EGYDFHSSSE FEIVKAIKER ACYLSINPQK DETLETEKAQ YYLPDGSTIE IGPSRFRAPE LLFRPDLIGE ESEGIHEVLV FAIQKSDMDL RRTLFSNIVL SGGSTLFKGF GDRLLSEVKK LAPKDVKIRI SAPQERLYST WIGGSILASL DTFKKMWVSK KEYEEDGARS 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	ACTR1A ARP1 actin-related protein 1 homolog A, centractin alpha (yeast) [Homo sapiens]
Official Symbol	ACTR1A
Synonyms	ACTR1A; ARP1 actin-related protein 1 homolog A, centractin alpha (yeast); ARP1 (actin related protein 1, yeast) homolog A (centractin alpha); alpha-centractin; ARP1; actin-RPV; centractin; centrosome-associated actin homolog; CTRN1; FLJ52695; FLJ52800; FLJ55002
Gene ID	10121
mRNA Refseq	NM_005736
Protein Refseq	NP_005727

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MIM	605143
UniProt ID	P61163

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