

# Recombinant Full Length Human ACTR1A Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human ACTR1A full-length ORF ( AAH00693, 1 a.a. - 376 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	376 amino acids
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	67.10 kDa
<b>AA Sequence</b>	<p>MESYDVSNQ PVVIDNGSGV IKAGFAGDQI PKYCFPNYVG RPKHVRVMAG  ALEGDIFIGP KAEHRGLLS IRYPMEHGIV KDWNDMERIW QYVYSKDQLQ  TFSEHPVLL TEAPLNPRKN RERAAEVFFE TFNVPALFIS MQAVLSLYAT  GRTTGVLDS GDGVTHAVPI YEGFAMPHSI MRIDIAGRDV SRFLRLYLK</p>

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EGYDFHSSSE FEIVKAIKER ACYLSINPQK DETLETEKAQ YYLPDGSSTIE  
 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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<b>MIM</b>	605143
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<b>UniProt ID</b>	P61163
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