

## Recombinant Human ACTR1A Protein, His-tagged

Cat. No. ACTR1A-151H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human actin related protein 1A(ACTR1A)(NM_005736), 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 42.6 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.
<b>Form</b>	Purified protein formulated in a sterile solution of TBS buffer, pH7.23, without any preservatives.
<b>Molecular Mass</b>	42.4 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** Antigen, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

## 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](#)

**MIM** [605143](#)

**UniProt ID** [P61163](#)

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