

Recombinant Human ACTR1A Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human actin related protein 1A(ACTR1A)(NM_005736), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.23, without any preservatives.
Molecular Mass	42.4 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, 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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