

Recombinant Human ACTR3 Protein, His-tagged

Cat. No. ACTR3-70H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACTR3 Protein (Pro6-Lys254) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro6-Lys254
Description	The specific function of this gene has not yet been determined; however, the protein it encodes is known to be a major constituent of the ARP2/3 complex. This complex is located at the cell surface and is essential to cell shape and motility through lamellipodial actin assembly and protrusion. Three transcript variants encoding two different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.7 kDa Accurate Molecular Mass: 32 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

[ACTR3 ARP3 actin-related protein 3 homolog \(yeast\) \[Homo sapiens \(human\) \]](#)

Official Symbol

[ACTR3](#)

Synonyms

ACTR3; ARP3 actin-related protein 3 homolog (yeast); ARP3 (actin related protein 3, yeast) homolog; actin-related protein 3; ARP3; actin-like protein 3

Gene ID

[10096](#)

mRNA Refseq

[NM_005721](#)

Protein Refseq

[NP_005712](#)

MIM

[604222](#)

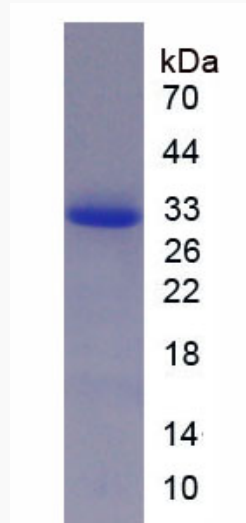
UniProt ID

[P61158](#)

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