

## Recombinant Human ACTR3 Protein, His-tagged

Cat. No. ACTR3-71H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ACTR3 Protein (Val227-Asn411) with N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Val227-Asn411
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 25.2 kDa Accurate Molecular Mass: \
<b>Purity</b>	> 95%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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](#)

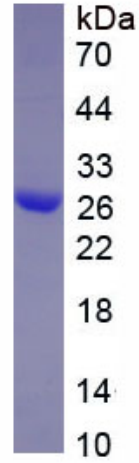
**UniProt ID**

[P61158](#)

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