

## Recombinant Human ACTR3 Protein, His&GST-tagged

Cat. No. ACTR3-658H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human ACTR3 (NP_005712.1) (Ala2-Ser418) was expressed with a C-terminal polyhistidine-tagged GST tag at the N-terminus (his-GST).
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	2-418 a.a.
<b>Predicted N Terminal</b>	Met
<b>Form</b>	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol, 3 mM DTT, 5% ~ 8% trehalose and mannitol.
<b>Molecular Mass</b>	The recombinant human ACTR3 consists 654 amino acids and predicts a molecular mass of 75.1 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>85 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

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

**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](#)

**Chromosome Location** 2q14.1

**Pathway** B Cell Receptor Signaling Pathway, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; RAC1 signaling pathway, organism-specific biosystem;

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