

## Recombinant Mouse Actr2, His-tagged

**Cat. No.** Actr2-3102M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Actr2(NP_666355.1)(1-394 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-394 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
<b>AA Sequence</b>	MDSQGRKVVVCDNGTGFVKCGYAGSNFPEHIFPALVGRPIIRSTTKVGNIEIKDLMV GDEASELRSTLEVNYPMENGIVRNWDDMKHLWDYTFGPEKLNIDTRNCKILLTEPP MNPTKNREKIVEVMFETYQFSGVYVAIQAVLTLYAQGLLTGVVVDSDGDGVTHICPVY ESFSLPHLTRRLDIAGRDI TRYLIKLLLLRGYAFNHSADFETVRMIKEKLCYVGYNIEQ EQKLALETTVLVESYTLPDGRIIKVGGERFEAPEALFQPHLINVEGVGVAELLFNTIQA ADIDTRSEFYKHIVLSSGSTMYPGLPSRLERELKQLYLERVLKGDVEKLSKFKIRIEDP PRRKHMVFLGGAVLADIMKDKDNFWMTRQEYQEKGVRVLEKLGVTVR
<b>Purity</b>	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Stability</b>	Store for up to 12 months at -20°C to -80°C as lyophilized powder.

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**Storage**

Short-term storage: Store at 2-8°C for (1-2 weeks).

Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

## GENE INFORMATION

**Gene Name**

[Actr2 ARP2 actin-related protein 2 homolog \(yeast\) \[ Mus musculus \]](#)

**Official Symbol**

[Actr2](#)

**Synonyms**

ACTR2; ARP2 actin-related protein 2 homolog (yeast); actin-related protein 2; actin-like protein 2; Arp2; AA409782; D6Erttd746e; 4921510D23Rik; MGC36604;

**Gene ID**

[66713](#)

**mRNA Refseq**

[NM\\_146243.2](#)

**Protein Refseq**

[NP\\_666355.1](#)

**UniProt ID**

[P61161](#)

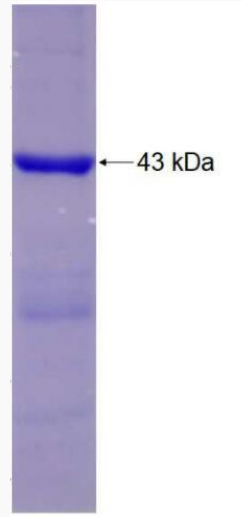
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SDS-PAGE



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