

Recombinant Mouse Actr2, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Actr2(NP_666355.1)(1-394 aa), fused to His tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1-394 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	MDSQGRKVVVCDNGTGFVKCGYAGSNFPEHIFPALVGRPIIRSTTKVGNIEIKDLMV GDEASELRSTLEVNYPMENGIVRNWDDMKHLWDYTFGPEKLNIDTRNCKILLTEPP MNPTKNREKIVEVMFETYQFSGVYVAIQAVLTLYAQGLLTGVVVDSGDGVTHICPVY ESFSLPHLTRRLDIAGRDITRYLIKLLLLRGYAFNHSADFETVRMIKEKLCYVGYNIEQ EQKLALETTVLVESYTLDPGRIIKVGGERFEAPEALFQPHLINVEGVGVAELLFNTIQA ADIDTRSEFYKHIVLSGGSTMYPGLPSRLERELKQLYLERVLKGDVEKLSKFKIRIEDP PRRKHMVFLGGAVLADIMKDKDNFWMTRQEYQEKGVRVLEKLGVTVR
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Stability	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

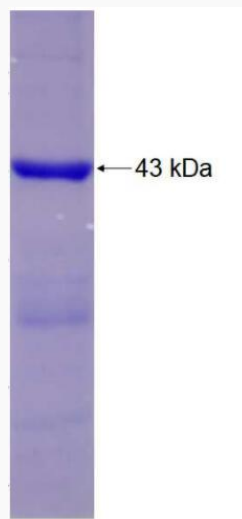
Gene Name	Actr2 ARP2 actin-related protein 2 homolog (yeast) [Mus musculus]
Official Symbol	Actr2
Synonyms	ACTR2; ARP2 actin-related protein 2 homolog (yeast); actin-related protein 2; actin-like protein 2; Arp2; AA409782; D6ErtD746e; 4921510D23Rik; MGC36604;
Gene ID	66713
mRNA Refseq	NM_146243.2
Protein Refseq	NP_666355.1
UniProt ID	P61161

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SDS-PAGE



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