

Recombinant Mouse Acta2 Protein, MYC/DDK-tagged

Cat. No. Acta2-527M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse actin, alpha 2, smooth muscle, aorta (Acta2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The protein encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle.
Molecular Mass	42 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Acta2 actin, alpha 2, smooth muscle, aorta \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Acta2](#)

Synonyms Acta2; actin, alpha 2, smooth muscle, aorta; Actvs; a-SMA; SMAalpha; SMalphaA; alphaSMA; 0610041G09Rik; actin, aortic smooth muscle; actin, alpha, vascular smooth muscle; alpha-actin-2

Gene ID [11475](#)

mRNA Refseq [NM_007392](#)

Protein Refseq [NP_031418](#)

UniProt ID [P62737](#)

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