

Recombinant Mouse Actb Protein, MYC/DDK-tagged

Cat. No. Actb-812M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse actin, beta (Actb), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the actin family of proteins. Actins are highly conserved proteins that are among the most abundant proteins in eukaryotic cells and are involved in cell motility, structure, and integrity. Localization, stability, and translation of the transcribed mRNA are regulated through the binding of multiple factors to its 3' UTR sequence. Homozygous knockout mice for this gene exhibit embryonic lethality. Numerous pseudogenes of this gene have been identified in the mouse genome.
Molecular Mass	41.7 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 g/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 [Actb actin, beta \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Actb](#)

Synonyms Actb; actin, beta; Actx; beta-actin; E430023M04Rik; actin, cytoplasmic 1; A-X actin-like protein; actin, beta, cytoplasmic; melanoma X-actin

Gene ID [11461](#)

mRNA Refseq [NM_007393](#)

Protein Refseq [NP_031419](#)

UniProt ID [P60710](#)

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