

Recombinant Mouse Actg1 Protein, MYC/DDK-tagged

Cat. No. Actg1-522M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse actin, gamma, cytoplasmic 1, complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Actins are highly conserved proteins that are involved in various types of cell motility and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta, and gamma, have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 1, encoded by this gene, is a cytoplasmic actin found in non-muscle cells. Alternative splicing results in multiple transcript variants.
Molecular Mass	70 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.

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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.
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GENE INFORMATION

Gene Name	Actg1 actin, gamma, cytoplasmic 1 [Mus musculus (house mouse)]
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Official Symbol	Actg1
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Synonyms	Actg1; actin, gamma, cytoplasmic 1; E51; Actg; Actl; AL023024; actin, cytoplasmic 2; beta-actin FE-3; gamma-actin
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Gene ID	11465
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mRNA Refseq	NM_009609
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Protein Refseq	NP_033739
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UniProt ID	P63260
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