

Recombinant Human ACTA2 Protein, MYC/DDK-tagged

Cat. No. ACTA2-189H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACTA2, transcript variant 1, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
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. Defects in this gene cause aortic aneurysm familial thoracic type 6. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	ACTA2 actin, alpha 2, smooth muscle, aorta [Homo sapiens]
Official Symbol	ACTA2
Synonyms	ACTA2; actin, alpha 2, smooth muscle, aorta; actin, aortic smooth muscle; ACTSA; alpha 2 actin; alpha-actin-2; alpha-cardiac actin; growth-inhibiting gene 46; cell growth-inhibiting gene 46 protein; AAT6; MYMY5;
Gene ID	59
mRNA Refseq	NM_001141945
Protein Refseq	NP_001135417
MIM	102620
UniProt ID	P62736

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