

Actin, alpha skeletal muscle (ACTA1) Recombinant Protein | ACTA1 recombinant protein

Recombinant Human Actin, alpha skeletal muscle (ACTA1)

CATALOG # AAA18527	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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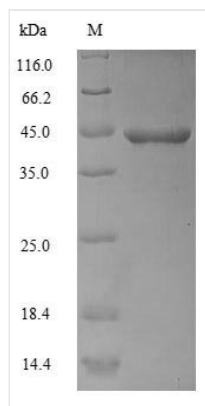
PRODUCT SYNONYMS

Actin; alpha skeletal muscle (ACTA1); Recombinant Human Actin; Alpha-actin-1; ACTA1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	3-377aa; Full Length of Mature Protein
Sequence	DEDETTALVC DNGSGLVKAG FAGDDAPRAV FPSIVGRPRH QGVMVGMGQK DSYVGDEAQS KRGILTLKYP IEHGIIITNWD DMEKIWHHTF YNELRVAPEE HPTLLTEAPL NPKANREKMT QIMFETFNVP AMYVAIQAVL SLYASGRTTG IVLDSGDGVV HNVPIYEGYA LPHAIMRLDL AGRDLTDYLM KILTERGYSF VTTAEREIVR DIKEKLCYVA LDFENEMATA ASSSSLEKSY ELPDGQVITI GNERFRCPET LFQPSFIGME SAGIHETTYN SIMKCDIDIR KDLYANNVMS GGTTMYPGIA DRMQKEITAL APSTMKIKII APPERKYSVW IGGASILASLS TFQQMWITKQ EYDEAGPSIV HRKCF
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ACTA1 recombinant protein	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
Product Categories/Family for ACTA1 recombinant protein	Signal Transduction

References	Isolation and characterization of cDNA clones for human skeletal muscle alpha actin.Hanauer A., Levin M., Heilig R., Daegelen D., Kahn A., Mandel J.-L.Nucleic Acids Res. 11:3503-3516(1983) Nucleotide sequence and expression of the human skeletal alpha-actin gene evolution of functional regulatory domains.Taylor A., Erba H.P., Muscat G.E.O., Kedes L.Genomics 3:323-336(1988) Mutations in the skeletal muscle alpha-actin gene in patients with actin myopathy and nemaline myopathy.Nowak K.J., Wattanasirichaigoon D., Goebel H.H., Wilce M., Pelin K., Donner K., Jacob R.L., Hubner C., Oexle K., Anderson J.R., Verity C.M., North K.N.Nat. Genet. 23:208-212(1999)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501881
NCBI GeneID	58
NCBI Accession #	NP_001091.1
NCBI GenBank Nucleotide #	NM_001100.3
UniProt Accession #	P68133; P02568; P99020; Q5T8M9
Molecular Weight	45.8 kDa
NCBI Official Full Name	actin, alpha skeletal muscle
NCBI Official Synonym Full Names	actin, alpha 1, skeletal muscle
NCBI Official Symbol	ACTA1
NCBI Official Synonym Symbols	ACTA; ASMA; CFTD; MPFD; NEM1; NEM2; NEM3; SHPM; CFTD1; CFTDM
NCBI Protein Information	actin, alpha skeletal muscle
UniProt Protein Name	Actin, alpha skeletal muscle
UniProt Gene Name	ACTA1
UniProt Synonym Gene Names	ACTA
UniProt Entry Name	ACTS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.