Actin, alpha cardiac muscle 1 (ACTC1) Recombinant Protein | ACTC1 recombinant protein

Recombinant Human Actin, alpha cardiac muscle 1 (ACTC1)

CATALOG #	HOST
AAA113273	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Actin; alpha cardiac muscle 1 (ACTC1); Recombinant Human Actin; ACTC1 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	DDEETTALVC DNGSGLVKAG FAGDDAPRAV FPSIVGRPRH QGVMVGMGQK DSYVGDEAQS KRGILTLKYP IEHGIITNWD DMEKIWHHTF YNELRVAPEE HPTLLTEAPL NPKANREKMT QIMFETFNVP AMYVAIQAVL SLYASGRTTG IVLDSGDGVT HNVPIYEGYA LPHAIMRLDL AGRDLTDYLM KILTERGYSF VTTAEREIVR DIKEKLCYVA LDFENEMATA ASSSSLEKSY ELPDGQVITI GNERFRCPET LFQPSFIGME SAGIHETTYN SIMKCDIDIR KDLYANNVLS GGTTMYPGIA DRMQKEITAL APSTMKIKII APPERKYSVW IGGSILASLS TFQQMWISKQ EYDEAGPSIV HRKCF
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for ACTC1 recombinant protein	Actins are highly conserved proteins that are involved in various types of cell motility. Polymerization of globular actin (G-actin) leads to a structural filament (F-actin) in the form of a two-stranded helix. Each actin can bind to four others. This protein belongs to the actin family which is comprised of three main groups of actin isoforms, alpha, beta, and gamma. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. Defects in this gene have been associated with idiopathic dilated cardiomyopathy (IDC) and familial hypertrophic cardiomyopathy (FHC).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885049
NCBI GeneID	70
NCBI Accession #	NP_005150.1
NCBI GenBank Nucleotide #	NM_005159.4
UniProt Accession #	P68032; P04270
Molecular Weight	42,019 Da
NCBI Official Full Name	actin, alpha cardiac muscle 1
NCBI Official Synonym Full Names	actin, alpha, cardiac muscle 1

NCBI Official Symbol	ACTC1
NCBI Official Synonym Symbols	ACTC; ASD5; CMD1R; CMH11; LVNC4
NCBI Protein Information	actin, alpha cardiac muscle 1
UniProt Protein Name	Actin, alpha cardiac muscle 1
UniProt Gene Name	**ACTC1**
UniProt Synonym Gene Names	ACTC

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.

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Online datasheet: https://www.aaabiotech.com/actc1-recombinant-protein-e-coli/113273