

Recombinant Human ACTC1 protein, His-tagged

Cat. No. ACTC1-7242H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACTC1 protein(185-375 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	185-375 aa
Tag	N-His
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ ,17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

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AA Sequence

LTDYLMKILTERGYSFTTTAEREIVRDIKEKLCYVALDFEQEMATAASSSSLEKSYELP
 DGQVITIGNERFRCPEALFQPSFLGMESCGIHETTFNSIMKCDVDIRKDLANTVLSG
 GTTMYPGIADRMQKEITALAPSTMKIKIIPPERKYSVWIGGSILASLSTFQQMWISKQ
 EYDESGPSIVHRKCF

GENE INFORMATION

Gene Name	ACTC1 actin, alpha, cardiac muscle 1 [Homo sapiens]
Official Symbol	ACTC1
Synonyms	ACTC1; actin, alpha, cardiac muscle 1; ACTC, actin, alpha, cardiac muscle; actin, alpha cardiac muscle 1; CMD1R; alpha-cardiac actin; ACTC; ASD5; CMH11; LVNC4;
Gene ID	70
mRNA Refseq	NM_005159
Protein Refseq	NP_005150
MIM	102540
UniProt ID	P68032