

Recombinant Human ACTG1 protein, T7-tagged

Cat. No. ACTG1-162H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ACTG1 (357 aa) fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	357 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGEFGSEEEIAALVIDNNGSGMCKAGFAGDDAPRAVFP SIVGRPR HQQVMVGMGQKDSYVGDEAQ SKRGILTLKYPIEHGIVTNWDDMEKIWHHTFYNEL RVAPEEHPVLLTEAPLNKANREKMTQIMFETFNTPAMYVA IQAVLSLYASGRTTGIV MDSGDGVTHTVPIYEGYALPHAILRLDLAGRDLTDYLMKILTERGYSFTTTAEREIVR DIKEKLCYVALDFEQEMATAASSSSLEKSYELPDGQVITIGNERFRCPEALFQPSFLG MESCGIHETTENSIMKC DVDIRKDLYANTVLSGGTTMYPGIADRMQKEITALAPSTM KIKIIPPERKYSVWIGGSILASLSTFQQMWISKQ EYDESGPSIVHRKCF
Purity	>90% by SDS-PAGE
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

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GENE INFORMATION

Gene Name [ACTG1 actin, gamma 1 \[Homo sapiens \]](#)

Official Symbol [ACTG1](#)

Synonyms ACTG1; actin, gamma 1; ACTG, deafness, autosomal dominant 20; deafness, autosomal dominant 26 , DFNA20, DFNA26; actin, cytoplasmic 2; cytoskeletal gamma-actin; ACT; ACTG; DFNA20; DFNA26;

Gene ID [71](#)

mRNA Refseq [NM_001199954](#)

Protein Refseq [NP_001186883](#)

MIM [102560](#)

UniProt ID [P63261](#)

Chromosome Location 17q25

Pathway Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Dilated cardiomyopathy, organism-specific biosystem;

Function ATP binding; identical protein binding; nucleotide binding; protein binding; protein

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kinase binding; structural constituent of cytoskeleton;

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