

Recombinant Human MYOZ2 protein, T7-tagged

Cat. No. MYOZ2-160H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MYOZ2 (264 aa) protein fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	264 a.a.
Form	0.2 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGEFMLSHTMMKQRKQQATAIMKEVHGNDVDGMDLGKKVSIP RDIMLEELSHLSNRGARLFKM RQRRSDKYTFENFQYQSRAQINHSIAMQNGKVDG SNLEGGSSQAPLTPNTPDPRSPNPDPNIAPGYSGPLKEIP PEKFNTTAVPKYYQS PWEQAISNDPELLEALYPKLFKPEGKAELPDYRSFN RVATPFGGFEEKASRMVKFKVP DFE LLLLTDP RFMSFVNPLSGRRSFN RTPKGWISENIPVITTEPTDDTTVPESEDL
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro calcium-dependent signal transduction pathway regulation study for cardiomyocytes with intracellular delivery of this protein.2. As soluble / native protein, may be used as enzymatic substrate protein for kinase and ubiquitin assay development.3. May be used for mapping MYOZ2 protein-protein interaction.4. Potential biomarker protein for monitoring human cardiomyocytes damage in various

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diseases.5. May be used as antigen for specific antibody development.

Storage Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.

GENE INFORMATION

Gene Name MYOZ2 myozenin 2 [Homo sapiens]

Official Symbol MYOZ2

Synonyms MYOZ2; myozenin 2; C4orf5, chromosome 4 open reading frame 5; myozenin-2; CS 1; FATZ-related protein 2; muscle-specific protein; CS-1; CMH16; C4orf5;

Gene ID 51778

mRNA Refseq NM_016599

Protein Refseq NP_057683

MIM 605602

UniProt ID Q9NPC6

Chromosome Location 4q26-q27

Function protein binding; protein phosphatase 2B binding;

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