

Recombinant Full Length Human MYOZ2 Protein, GST-tagged

Cat. No. MYOZ2-6621HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYOZ2 full-length ORF (AAH05195, 1 a.a. - 264 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	264 amino acids
Description	The protein encoded by this gene belongs to a family of sarcomeric proteins that bind to calcineurin, a phosphatase involved in calcium-dependent signal transduction in diverse cell types. These family members tether calcineurin to alpha-actinin at the z-line of the sarcomere of cardiac and skeletal muscle cells, and thus they are important for calcineurin signaling. Mutations in this gene cause cardiomyopathy familial hypertrophic type 16, a hereditary heart disorder. [provided by RefSeq, Aug 2011]
Molecular Mass	54.78 kDa
AA Sequence	MLSHNTMMKQRKQQATAIMKEVHGNDVDGMDLGKRVSIIPRDIMLEELSHLSNRGA RLFKMRQRRSDKYTFENFQYQSRAQINHSIAMQNGKVDGSNLEGGSSQQAPLTPPN TPDPRSPNPNDNIAPGYSGPLKEIPPEKFNTTAVPKYYQSPWEQAISNDPELLEALYP KLFKPEGKAELPDYRSFNRVATPFGGFEEKASRMVKFKVPDFELLLLTDPFRFMSFVNP LSGRRSFNRTPKGWISENIPIVITTEPTDDTTVPESED

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; calcineurin-binding protein calsarcin-1; CS-1; CMH16; C4orf5;
Gene ID	51778
mRNA Refseq	NM_016599
Protein Refseq	NP_057683
MIM	605602
UniProt ID	Q9NPC6

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