

# Recombinant Full Length Human MYOZ1 Protein, GST-tagged

**Cat. No.** MYOZ1-6619HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human MYOZ1 full-length ORF ( NP_067068.1, 1 a.a. - 299 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	299 amino acids
<b>Description</b>	The protein encoded by this gene is primarily expressed in the skeletal muscle, and belongs to the myozenin family. Members of this family function as calcineurin-interacting proteins that help tether calcineurin to the sarcomere of cardiac and skeletal muscle. They play an important role in modulation of calcineurin signaling. [provided by RefSeq, Apr 2012]
<b>Molecular Mass</b>	58.1 kDa
<b>AA Sequence</b>	MPLSGTPAPNKKRKSSKLIMELTGGGQESSGLNLGKKISVPRDVMLEELSLLTNRGS KMFKLRQMRVEKFIYENHPDVFSDDSSMDHFQKFLPTVGGQLGTAGQGFSYSKSN RGGSQAGGSGSAGQYGSDDQQHHLGSGSGAGGTGGPAGQAGRGAAGTAGVGE TGSGDQAGGEGKHITVFKTYISPWERAMGVDPQQKMELGIDLLAYGAKAELPKYKS FNRTAMPYGGYKASKRMTFQMPKFDLGPLLSEPLVLYNQNLNRPSTFNRTPIPW SSGEPVDYNDVIGIPLDGETEEL
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	MYOZ1 myozenin 1 [ Homo sapiens ]
<b>Official Symbol</b>	MYOZ1
<b>Synonyms</b>	MYOZ1; myozenin 1; MYOZ, myozenin; myozenin-1; calsarcin 2; CS 2; FATZ; calsarcin-2; filamin-, actinin- and telethonin-binding protein; CS-2; MYOZ;
<b>Gene ID</b>	58529
<b>mRNA Refseq</b>	NM_021245
<b>Protein Refseq</b>	NP_067068
<b>MIM</b>	605603
<b>UniProt ID</b>	Q9NP98

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