

## Recombinant Human MYOZ1, His-tagged

Cat. No. MYOZ1-15907H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human MYOZ1 protein, fused to His tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-299aa
<b>Description</b>	MYOZ1 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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
<b>Molecular Mass</b>	14.9kDa (129aa)
<b>AA Sequence</b>	<p>MGSSHHHHHH SSSLVPRGSH MGSMP LSGTP APNKKRKSSK LIMELTGGGQ  ESSGLNLGKK ISVPRDVMLE ELSLLTNRGS KMFKLRQMRV EKFIYENHPD  VFSDSSMDHF QKFLPTVGGQ LGTAGQGFSY SKSNGRGGSQ AGGSGSAGQY  GSDQQHHLGS GSGAGGTGGP AGQAGRGGAA GTAGVGETGS GDQAGGEGKH  ITVFKTYISP WERAMGVDPQ QKMELGIDLL AYGAKAELPK YKSFNRTAMP  YGGYEKASKR MTFQMPKFDL GPLLSEPLVL YNQNLNRP S FNRTPIPWLS  SGEPVDYNVD IGIPLDGETE EL</p>

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<b>Purity</b>	>85% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<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
<b>Chromosome Location</b>	10q22.1
<b>Function</b>	FATZ binding; protein binding;

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