

Recombinant Human MYOZ1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human MYOZ1 protein, fused to His tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-299aa
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	14.9kDa (129aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH 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

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	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.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	MYOZ1 myozenin 1 [Homo sapiens]
Official Symbol	MYOZ1
Synonyms	MYOZ1; myozenin 1; MYOZ, myozenin; myozenin-1; calsarcin 2; CS 2; FATZ; calsarcin-2; filamin-, actinin- and telethonin-binding protein; CS-2; MYOZ;
Gene ID	58529
mRNA Refseq	NM_021245
Protein Refseq	NP_067068
MIM	605603
UniProt ID	Q9NP98
Chromosome Location	10q22.1
Function	FATZ binding; protein binding;

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