

## Product datasheet for PH306448

### Myozenin 1 (MYOZ1) (NM\_021245) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MYOZ1 MS Standard C13 and N15-labeled recombinant protein (NP_067068)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206448
Predicted MW:	31.7 kDa
Protein Sequence:	>RC206448 protein sequence Red=Cloning site Green=Tags(s)

MPLSGTPAPNKKRKSSKLIMELTGGGQESSGLNLGKKISVPRDVMLEELSLLTNRGSKMFKLRQMRVEKF  
IYENHPDVFSDSSMDHFQKFLPTVGGQLGTAGQGFYSYSKSNRGGSQAGGSGSAGQYGSDDQHHLGSGSG  
AGGTGGPAGQAGRGAAGTAGVGETGSGDQAGGEGKHITVFKTYISPWERAMGVDPQQKMEGLIDLLAYG  
AKAELPKYKSFNRTAMPYGGYEKASKRMTFQMPKFDLGPLLSEPLVLYNQNLNRPFSFNRTPIPWSSGE  
PVDYNVDIGIPLDGETEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_067068</a></u>
RefSeq Size:	1583
RefSeq ORF:	897
Synonyms:	CS-2; FATZ; MYOZ
Locus ID:	58529



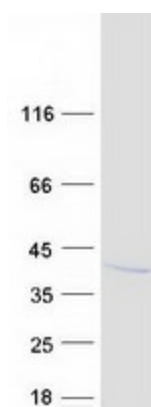
[View online »](#)

UniProt ID: [Q9NP98](#)

Cytogenetics: 10q22.2

**Summary:** 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]

### Product images:



Coomassie blue staining of purified MYOZ1 protein (Cat# [TP306448]). The protein was produced from HEK293T cells transfected with MYOZ1 cDNA clone (Cat# [RC206448]) using MegaTran 2.0 (Cat# [TT210002]).