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# Recombinant human MYOZ1 protein

Catalog Number: ATGP2263

# **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-299aa

#### UniProt No.

**09NP98** 

#### **NCBI Accession No.**

NP 067068

#### **Alternative Names**

Myozenin-1, CS-2, FATZ, MYOZ

# **PRODUCT SPECIFICATION**

### **Molecular Weight**

34.1 kDa (322aa)

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

## **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE, Denatured

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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. Recombinant human MYOZ1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

#### **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MGSMPLSGTP APNKKRKSSK LIMELTGGGQ ESSGLNLGKK ISVPRDVMLE ELSLLTNRGS



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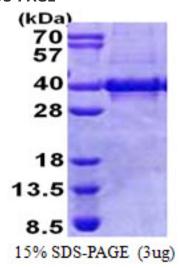
KMFKLRQMRV EKFIYENHPD VFSDSSMDHF QKFLPTVGGQ LGTAGQGFSY SKSNGRGGSQ AGGSGSAGQY GSDQQHHLGS GSGAGGTGGP AGQAGRGGAA GTAGVGETGS GDQAGGEGKH ITVFKTYISP WERAMGVDPQ QKMELGIDLL AYGAKAELPK YKSFNRTAMP YGGYEKASKR MTFQMPKFDL GPLLSEPLVL YNQNLSNRPS FNRTPIPWLS SGEPVDYNVD IGIPLDGETE EL

#### **General References**

Aurino, S., et al. (2008) Acta Myol 27, 90-97 Posch, M, G., et al. (2007) Mol. Genet. Metab. 91 (2) 207-208

# **DATA**

# **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

