
Product Data Sheet

Product Name: MYOZ1 Human
 Cat. No.: GP23996
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CS-2; FATZ; MYOZ; Calsarcin-2; Filamin-; actinin- and telethonin-binding protein; Protein FATZ; MYOZ1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMP LSGTP APNKKRKSSK LIMELTGGGQ ESSGLNLGKK ISVPRDVMLE ELSLLTNRGS KMFKLRQMRV EKFIYENHPD VFSDSSMDHF QKFLPTVGGQ LGTAGQGF SY SKSNGRGG SQ AGGSGSAGQY GSDQQHHLGS GSGAGGTGGP AGQAGRGGAA GTAGVGETGS GDQAGGEGKH ITVFKYISP WERAMGVDPQ QKMELGIDLL AYGAKAELPK YKSFNRTAMP YGGYEKASKR MTFQMPKFDL GPLLSEPLVL YNQNLNRP S FNRTPIPWLS SGEPVDYNVD IGIPLDGETE EL.		
Formulation	MYOZ1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.4M UREA and 10% glycerol.		

Introduction

Myozenin 1 (MYOZ1) is a member of the myozenin family. MYOZ1 is mostly expressed in the skeletal muscle. Members of the myozenin family act as calcineurin-interacting proteins which helps tether calcineurin to the sarcomere of cardiac and skeletal muscle. The myozenin family plays a significant role in modulation of calcineurin signaling.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MYOZ1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 322 amino acids (1-299 a.a.) and having a molecular mass of

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34.1kDa.MYOZ1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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