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MYOZ2 Protein (His tag)



Overview

Quantity:	50 μg
Target:	MYOZ2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYOZ2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Myozenin-2/MYOZ2 Protein (His Tag)
Sequence:	Met 1-Leu264
Characteristics:	Recombinant Human Myozenin-2 is produced by our E.coli expression system and the target gene encoding Met1-Leu264 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	MYOZ2
Alternative Name:	Myozenin-2/MYOZ2 (MYOZ2 Products)
Background:	Background: Myozenin 2 (MYOZ2) is a 264 amino acid protein that belongs to the myozenin
	family. MYOZ2 binds to Calcineurin, a phosphatase that is involved in calcium-dependent signal
	transduction in diverse cell types. MYOZ2 is one of the sarcomeric proteins and plays an

Target Details

important role in myofibrillogenesis and the modulation of calcineurin signaling. It may serve as intracellular binding proteins involved in linking Z line proteins such as alpha-actinin, gamma-filamin, TCAP/telethonin, LDB3/ZASP and plays an important role in the modulation of calcineurin signaling. Defects in MYOZ2 are the cause of familial hypertrophic cardiomyopathy type 16 (CMH16), a hereditary heart disorder.

Synonym: Myozenin-2, Calsarcin-1, FATZ-Related Protein 2, MYOZ2, C4orf5

Molecular Weight:

30.9 kDa

UniProt:

Q9NPC6

Application Details

Restrictions:

For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 10 mM Tris, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.