

Recombinant Human Myozenin-2/MYOZ2 Protein (His Tag)



Catalog Number:PKSH032776

Note: Centrifuge before opening to ensure complete recovery of vial contents.

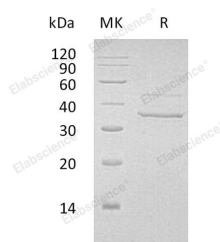
Description

Synonyms	Myozenin-2;Calsarcin-1;FATZ-Related Protein 2;MYOZ2;C4orf5
Species	Human
Expression Host	E.coli
Sequence	Met 1-Leu264
Accession	Q9NPC6
Calculated Molecular Weight	30.9 kDa
Observed molecular weight	38 kDa
Tag	C-His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 10mM Tris-HCl, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

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 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.

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