

Product Name: Recombinant Human MYOZ2 (C-6His)
Catalog #: PEH1187

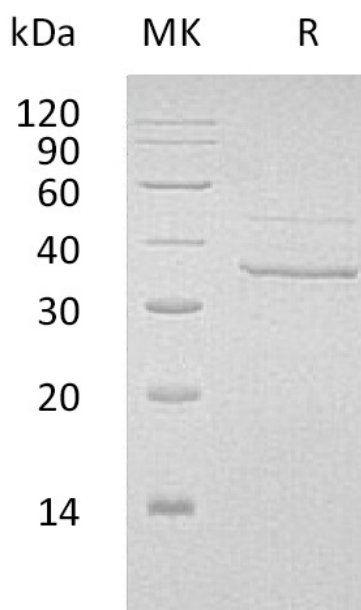


Summary

Name	Myozenin-2/MYOZ2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q9NPC6
Host	E.coli
Species	Human
Predicted Molecular Mass	30.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 10mM Tris-HCl, pH 8.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Myozenin-2; Calsarcin-1; FATZ-Related Protein 2; MYOZ2; C4orf5

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.

Note

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