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32-8210: Recombinant Human Myozenin-2/MYOZ2 (C-6His)

Gene : MYOZ2
Gene ID : 51778
Uniprot ID : Q9NPC6

Description

Source: E. coli.
MW :30.9kD.
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. 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.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 10mM Tris, pH 8.0.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	MLSHNTMMKQRKQQATAIMKEVHGNDVDGMDLGKKVSIPRDIMLEELSHLSNRGARLFKMRQRR SDKYTFENFQYQSRAQINHSIAMQNGKVDGSNLEGGSQQAPLTPPNTPDPRSPPNPDNIAPGYSG PLKEIPPEKFNTTAVPKYYQSPWEQAISNDPELLEALYPKLFKPEGKAELPDYRSFNRVATPFGGFE KASRMVKFKVPDFELLLLTDPRFMSFVNPLSGRRSFNRTPKGWISENIPIVITTEPTDDTTVPESEDL LEHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 Âµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/Âµg (1 IEU/Âµg) as determined by LAL test.