

[Go to Product page](#)

Datasheet for ABIN7554654

Myocardin Protein (MYOCD) (AA 1-938) (His tag)

Overview

Quantity:	1 mg
Target:	Myocardin (MYOCD)
Protein Characteristics:	AA 1-938
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Myocardin protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MYOCD Protein expressed in mammalian cells.
Sequence:	<p>MTLLGSEHSL LIRSKFRSVL QLRLQQRRTQ EQLANQGIIP PLKRPAEFHE QRKHLSDSKA KNSLKRKARN RCNSADLVNM HILQASTAER SIPTAQMKLK RARLADDLNE KIALRPGPLE LVEKNILPVD SAVKEAIKGN QVSFSKSTDA FAFEEDSSSD GLSPDQTRSE DPQNSAGSPP DAKASDTPST GSLGTNQDLA SGSENRNDS ASQPSHQSDA GKQGLGPPST PIAVHAAVKS KSLGDSKNRH KKPDPKPKV KKLKYHQYIP PDQKAEKSP PMDSAYARLL QQQQLFLQLQ ILSQQQQQQ HRFSYLGMHQ AQLKEPNEQM VRNPSSSTP LSNTPLSPVK NSFSGQTGVS SFKPGPLPPN LDDLKVSELR QQLRIRGLPV SGTKTALMDR LRPFDQCSGN PVPNFGDITT VTFPVPNTL PNYQSSSSTS ALSNGFYHFG STSSPPISP ASSDLSVAGS LPDTFNDASP SFG LHPSVH VCTEESLMSS LNGGSVPSEL DGLDSEKDKM LVEKQKVINE LTWKLQQEQR QVEELRMQLQ KQKRNNCSEK KPLPFLAASI KQEEAVSSCP FASQVPVKRQ SSSSECHPPA CEAAQLQLPG NAHCVESDQ TNVLSSTFLS PQCSPQHSPL GAVKSPQHIS LPPSPNNPHF LPSSGAQGE GHRVSSPISS QVCTAQMAGL HSSDKVGPKE SIPSPTFSKS SSAISEVTQP</p>

Product Details

PSYEDAVKQQ MTRSQQMDEL LDVLIESGEM PADAREDHSC LQKVPKIPRS SRSPTAVLTK
PSASFEQASS GSQIPFDPYA TDSDEHLEVL LNSQSPLGKM SDVTLLKIGS EEPHFDGIMD
GFSGKAAEDL FNAHEILPGP LSPMQTQFSP SSVDSNGLQL SFTESPWETM EWLDLTPPNS
TPGFALTTS SPSIFNIDFL DVTDLNLNSS MDLHLQQW **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: Myocardin (MYOCD)

Alternative Name: MYOCD ([MYOCD Products](#))

Background: Myocardin,FUNCTION: Smooth muscle cells (SM) and cardiac muscle cells-specific transcriptional factor which uses the canonical single or multiple CArG boxes DNA sequence. Acts as a cofactor of serum response factor (SRF) with the potential to modulate SRF-target genes. Plays a crucial role in cardiogenesis, urinary bladder development, and differentiation of

Target Details

the smooth muscle cell lineage (myogenesis) (By similarity). Positively regulates the transcription of genes involved in vascular smooth muscle contraction (By similarity). {ECO:0000250, ECO:0000250|UniProtKB:Q8R5I7, ECO:0000269|PubMed:12640126, ECO:0000269|PubMed:31513549}.

Molecular Weight: 102.0 kDa

UniProt: [Q8IZQ8](#)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months