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Datasheet for ABIN7554649

MYOM2 Protein (AA 1-1465) (His tag)

Overview

Quantity:	1 mg
Target:	MYOM2
Protein Characteristics:	AA 1-1465
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYOM2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MYOM2 Protein expressed in mammalian cells.
Sequence:	MSLVTVPFYQ KRHRHFDQSY RNIQTRYLLD EYASKKRAST QASSQKLSLQ RSSSQRASSQ TSLGGTICRV CAKRVSTQED EEQENRSRYQ SLVAAYGEAK RQRFLSELAH LEEDVHLARS QARDKLDKYA IQQMMEDKLA WERHTFEERI SRAPEILVRL RSHTVWERMS VKLCFTVQGF PTPVVQWYKD GSLICQAAEP GKYRIESNYG VHTLEINRAD FDDTATYSAV ATNAHGQVST NAAVVVRRFR GDEEPPFRSVG LPIGLPLSSM IPYTHFDVQF LEKFGVTFRR EGETVTLKCT MLVTPDLKRV QPRAEWYRDD VLLKESKGTK MFFGEGQASL SFSHLHKDDE GLYTLRIVSR GGVSDHSAFL FVRDADPLVT GAPGAPMDLQ CHDANRDYVI VTKWPPNNTT ESPVMGYFVD RCEVGTNNWV QCNDAPVKIC KYPVTGLFEG RSYIFRVRV NSAGISRPSR VSDAVAALDP LDLRRLQAVH LEGEKEIAIY QDDLEGDAQV PGPPTGVHAS EISRNYYVLS WEPPTPRGKD PLMYFIEKSV VGSGSWQRVN AQTAVRSPRY AVFDLMEGKS YVFRVLSANR HGLSEPSEIT SPIQAQDVTV VPSAPGRVLA SRNTKTSVVV QWDRPKHEED LLGYVDCCV AGTNLWEPEN HKPIGYNRFV VHGLTTGEQY IFRVKAVNAV GMSSENSQESD VIKVQAALTV PSHPYGITLL

NCDGHSMTLG WKVPKFSGGG PILGYLDKR EVHHKNWHEV NSSPSKPTIL TVDGLTEGSL
YEFKIAAVNL AGIGEPSDPS EHFKEAWTM PEPGPAYDLT FCEVRDTSLV MLWKAPVYSG
SSPVSGYFVD FREEDAGEWI TVNQTTTASR YLKVSDLQQG KTYVFRVRAV NANGVGKPSD
TSEPVLEEAR PGTKEISAGV DEQGNILGF DCQEMTDASQ FTWCKSYEEI SDDERFKIET
VGDHSLKLYLK NPDKEDLGTYSVSVSDTDGV SSSFVLDPEE LERLMALSNE IKNPTIPLKS
ELAYEIFDKG RVRFWLQAEH LSPDASYRFI INDREVSDSE IHRIKCDKAT GIEMVMDF
SIENEGTYTV QIHDKAKSQ SSLVLIGDAF KTVLEEAFFQ RKEFLRKQGP HFAEYLHWDV
TEECEVRLVC KVANTKKETV FKWLKDDVLY ETETLPNLER GICELLIPKL SKKDHGEYKA
TLKDDRQDV SILEIAGKVY DDMILAMSRV CGKSASPLKV LCTPEGIRLQ CFMKYFTDEM
KVNWCHKDAK ISSSEHMRIG GSEEMAWLQI CEPTEKDKGK YTFEIFDGKD NHQRSLDLSG
QAFDEAFAEF QQFKAAFAE KNRGRLIGGL PDVVTIMEGK TLNLTCTVFG NPDPEVIWFK
NDQDIQLSEH FSVKVEQAKY VSMTIKGVTS EDSGKYSINI KNKYGGEEKID VTVSVYKHGE
KIPDMAPPQQ AKPKLIPASA SAAGQ **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:	MYOM2
Alternative Name:	MYOM2 (MYOM2 Products)
Background:	Myomesin-2 (165 kDa connectin-associated protein) (165 kDa titin-associated protein) (M-protein) (Myomesin family member 2),FUNCTION: Major component of the vertebrate myofibrillar M band. Binds myosin, titin, and light meromyosin. This binding is dose dependent.
Molecular Weight:	164.9 kDa
UniProt:	P54296

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