

Recombinant Full Length Human MYOT Protein, GST-tagged

Cat. No. MYOT-6616HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MYOT full-length ORF (NP_006781.1, 1 a.a. - 498 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	498 amino acids
Description	This gene encodes a cytoskeletal protein which plays a significant role in the stability of thin filaments during muscle contraction. This protein binds F-actin, crosslinks actin filaments, and prevents latrunculin A-induced filament disassembly. Mutations in this gene have been associated with limb-girdle muscular dystrophy and myofibrillar myopathies. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined
Molecular Mass	81.8 kDa
AA Sequence	MFNYERPKHFIQSQNPCGSRLQPPGPETSSFSSQTKQSSIIQPRQCTEQRFSSASST LSSHITMSSSAFPASPQQHAGSNPGQRVTTTQYNQSPASFLSSILPSQPDYNSSKIPS AMDSNYQQSSAGQPINAKPSQTANAKPIPRTPDHEIQGSKEALIQLERKLKCKDTL LHNGNQRLTYEEKMARRLLGPQNAAAVFQAQDDSGAQDSQQHNSEHARLQVPTS QVRSRSTSRGDVNDQDAIQEKFYPPRFIQVPENMSIDEGRFCRMDFKVSGLPAPDV SWYLNGRTVQSDDLHKMIVSEKGLHSLIFEVVRASDAGAYACVAKNRAGEATFTVQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LDVLAKEHKRAPMFIYKPQSKKVLEGDSVKLECQISAIPPPKLFWKRNNEMVQFNTD
RISLYQDNTGRVTLLIKDVNKKDAGWYTVSAVNEAGVTTNTRLDVTARPNQTLPPAP
KQLRVRPTFSKYLAALNGKGLNVKQAFNPEGEFQRLAAQSGLYESEEL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

MYOT myotilin [Homo sapiens]

Official Symbol

MYOT

Synonyms

MYOT; myotilin; LGMD1, LGMD1A, limb girdle muscular dystrophy 1A (autosomal dominant) , titin immunoglobulin domain protein (myotilin) , TTID; 57 kDa cytoskeletal protein; myofibrillar titin-like Ig domains protein; titin immunoglobulin domain protein (myotilin); TTID; LGMD1; LGMD1A;

Gene ID

9499

mRNA Refseq

NM_001135940

Protein Refseq

NP_001129412

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MIM	604103
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UniProt ID	Q9UBF9
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