

Recombinant Human MYOT Protein, His-tagged

Cat. No. MYOT-2496H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYOT protein, fused to His-tagged at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	25 mM Tris, pH 8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl. Store at -80 Centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	55.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	MYOT myotilin [Homo sapiens]
Official Symbol	MYOT
Synonyms	LGMD1; LGMD1A; MFM3; TTID; TTOD
Gene ID	9499
mRNA Refseq	NM_001135940
Protein Refseq	NP_001129412
MIM	604103
UniProt ID	Q9UBF9

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