



Human MYOT peptide (DAG-P1802)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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.[provided by RefSeq, Oct 2008]
Specificity	Expressed in skeletal muscle (at protein level). Expressed in skeletal muscle, heart, bone marrow and thyroid gland.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the myotilin/palladin family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	MYOT myotilin [Homo sapiens (human)]
Official Symbol	MYOT
Synonyms	MYOT; myotilin; MFM3; TTID; TTOD; LGMD1; LGMD1A; 57 kDa cytoskeletal protein;

myofibrillar titin-like Ig domains protein; titin immunoglobulin domain protein (myotilin);

Entrez Gene ID	9499
mRNA Refseq	NM_001135940.1
Protein Refseq	NP_001129412.1
UniProt ID	Q9UBF9
Chromosome Location	5q31
Function	actin binding; protein binding; structural constituent of muscle;