

Recombinant Mouse Myot Protein, His-tagged

Cat. No. Myot-1811M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Myot Protein (Arg6-Leu188) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Arg6-Leu188
Description	Predicted to enable alpha-actinin binding activity and cell-cell adhesion mediator activity. Predicted to be involved in axon guidance; dendrite self-avoidance; and homophilic cell adhesion via plasma membrane adhesion molecules. Located in Z disc. Is expressed in several structures, including embryo mesenchyme; gut; lung; mesonephros; and nervous system. Human ortholog(s) of this gene implicated in muscular dystrophy; myofibrillar myopathy 3; and spheroid body myopathy. Orthologous to human MYOT (myotilin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.7 kDa Accurate Molecular Mass: 29 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Myot myotilin [<i>Mus musculus</i> (house mouse)]
Official Symbol	Myot
Synonyms	MYOT; myotilin; titan-like protein; titin immunoglobulin domain protein; myofibrillar titin-like Ig domains protein; Ttid; 5530402I04Rik;
Gene ID	58916
mRNA Refseq	NM_001033621
Protein Refseq	NP_001028793
UniProt ID	Q9JIF9

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