

Recombinant Human MTM1 Protein, GST-tagged

Cat. No. MTM1-5709H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MTM1 full-length ORF (AAH30779.1, 1 a.a. - 603 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a dual-specificity phosphatase that acts on both phosphotyrosine and phosphoserine. It is required for muscle cell differentiation and mutations in this gene have been identified as being responsible for X-linked myotubular myopathy. [provided by RefSeq]
Molecular Mass	96.3 kDa
AA Sequence	MASASTSKYNSHSLLENESIKRTSRDGVNRDLTEAVPRLPGETLITDKEVIYICPFNGPI KGRVYITNYRLYLRSLETDSSLILDVPLGVISRIEKMGGATSRGENSYGLDITCKDMR NLRFALKQEGHSRRDMFEILTRYAFPLAHSPLPLFAFLNEEFNVDGWTVYNPVEEYR RQGLPNHHWRITFINKCYELCDTYPALLVVPYRASDDDLRRVATFRSRNRIPVLSWI HPENKTVIVRCSQPLVGMMSGKRNDDEKYLDVIRETNKQISKLTIIDARPSVNAVAN KATGGGYESDDAYHNAELFFLDIHNIHVMRESLKKVKDIVYPNVEESHWLSSLESTH WLEHIKLVLTGAIQVADKVSSGKSSVLVHCSDGWDRTAQLTSLAMLMLDSFYRSIEG FEILVQKKWISFGHKFASRIGHGDKNHTDADRSPIFLQFIDCVWQMSKQFPTAFEFN EQFLIILDHLYSCRFGTFLNCESARERQKV TERTVSLWSLINSNKEKFKNPFTYKEI NRVLYPVASMRHLELWVNYIRWNPRIKQQQPNPVEQRYMELLALRDEYIKRLEEL

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QLANSAKLSDPPTSPSSPSQMMPHVQTHF

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

[MTM1 myotubularin 1 \[Homo sapiens \]](#)

Official Symbol

[MTM1](#)

Synonyms

MTM1; myotubularin 1; myotubular myopathy 1; myotubularin; CNM; MTMX; XLMTM;

Gene ID

[4534](#)

mRNA Refseq

[NM_000252](#)

Protein Refseq

[NP_000243](#)

MIM

[300415](#)

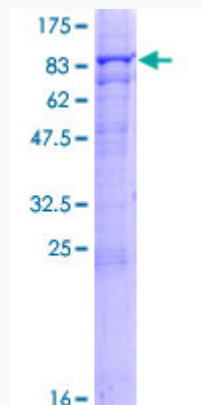
UniProt ID

[Q13496](#)

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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