

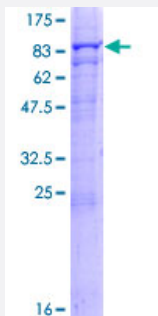
Full-Length

MTM1 (Human) Recombinant Protein (P01)

Catalog # H00004534-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MTM1 full-length ORF (AAH30779.1, 1 a.a. - 603 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASASTSKYNSHSLLENESIKRTSRDGVNRDLTEAVPRLPGETLITDKEVMYCPFNGPIKGRVYITNYR
LYLRSLETSSILLDVPLGVISRIEKMGGATSRGENSYGLDITCKDMRNLRFALKQEGHSRRDMFEI
LTRYAFPLAHSPLFAFLNEEKFNVDGWTVYNPVEEYRRQGLPNHHWRITFINKCYELCDTYPALL
VVPYRASDDDLRRVATFRSRNRIPVLSWIHPENKTVVRCSQPLVGMMSGKRKNDDEKYLDVIRETN
KQISKLTIDARPSVNAVANKATGGGYESDDAYHNAELFFLDIHNIHVMRESLKKVKDIVPNVEES
HWLSSLESTHWLEHIKLVLTGAIQVADKVSSGKSSVLVHCSDGWDRTAQLTSLAMLMLDSFYRSI
EGFEILVQKKWISFGHKFASRIGHGDKNHTDADRSPIFLQFIDCVWQMSKQFPTAFEFNEQFLIILD
HLYSCRFGTFLFNCESARERQKVTERTVSLWSLINSKEKFKNPFTKEINRVLYPVASMRHLELW
VNYIRWNPRIKQQQPNPVEQRYMELLALRDEYKRLEELQLANSACLSDPPTSPSSPSQMMPHV
QTHF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

96.3

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — MTM1

Entrez GeneID	4534
GeneBank Accession#	BC030779.1
Protein Accession#	AAH30779.1
Gene Name	MTM1
Gene Alias	CNM, MTMX, XLMTM
Gene Description	myotubularin 1
Omim ID	300415 310400
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	myotubularin

Disease

- [Colorectal Neoplasms](#)
- [Microsatellite Instability](#)
- [Stomach Neoplasms](#)