

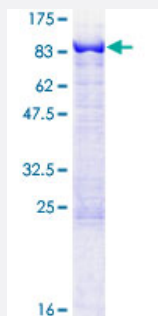
Full-Length

MTMR2 (Human) Recombinant Protein (P01)

Catalog # H00008898-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MTMR2 full-length ORF (NP_958435.1, 1 a.a. - 571 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEEPPLLPGENIKDMAKDVTYICPFTGAVRGTLTVTNYRLYFKSMERDPPFVLDA
SLGVINRVEKIG
GASSRGENSYGLETVCCKDIRNLRFAHKPEGRTRRSIFENLMKYAFPVSNNLPLFAFEYKEVFPEN
GWKLYDPLLEYRRQGIPNESWRITKINERYELCDTYPALLVVPANIPDEELKRVASFRSRGRIPVLS
WIHPESQATITRCSQPMVGVSGKRSKEDEKYLQAIMDSNAQSHKIFIDARPSVNAVANKAKGGG
YESEDAYQNAELVFLDIHNIHVMRESLRKLKEIVYPNIEETHWLSNLESTHWLEHIKLILAGALRIADK
VESGKTSVVVHCSDGWDRTAQLTSLAMLMLDGYRTIRGFEVLVEKEWLSFGHRFQLRVGHGD
KNHADADRSPVFLQFIDCVWQMTRQFPTAFEFNEYFLITLDHLYSCLFGTFLCNSEQQRGKENLP
KRTVSLWSYINSQLEDFTNPLYGSYSNHVLYPVASMRHLELWVGYYIRWNP
RMKPQEPIHNRYKEL
LAKRAELQKKVEELQREISNRSTSSSERASSPAQCVPVQTVV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

92.4

Interspecies Antigen Sequence

Mouse (98); Rat (98)

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 — MTMR2

Entrez GeneID	8898
GeneBank Accession#	NM_201278.1
Protein Accession#	NP_958435.1
Gene Name	MTMR2
Gene Alias	CMT4B, CMT4B1, KIAA1073
Gene Description	myotubularin related protein 2
Omim ID	601382 603557
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the myotubularin family. The encoded protein possesses phosphatase activity towards phosphatidylinositol-3-phosphate and phosphatidylinositol-3,5-bisphosphate. Mutations in this gene are a cause of Charcot-Marie-Tooth disease type 4B, an autosomal recessive demyelinating neuropathy. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]
Other Designations	myotubularin-related protein 2

Pathway

- [Fructose and mannose metabolism](#)
- [Metabolic pathways](#)
- [Riboflavin metabolism](#)
- [Thiamine metabolism](#)

Disease

- [Charcot-Marie-Tooth Disease](#)
- [Deafness](#)
- [Kidney Failure](#)