

Recombinant Human MTMR2 Protein, GST-tagged

Cat. No. MTMR2-5718H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MTMR2 full-length ORF (NP_958435.1, 1 a.a. - 571 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	92.4 kDa
AA Sequence	MEEPPLLPGENIKDMAKDVTYICPFTGAVRGTLTVTNRYLYFKSMERDPPFVLDASL GVINRVEKIGGASSRGENSYGLETVCCKDIRNLRFAHKPEGRTRRSIFENLMKYAFPV SNNLPLFAFEYKEVFPENGWKLYDPLLEYRRQGIPNESWRITKINERYELCDTYPALL VVPANIPDEELKRVASFRSRGRIPVLSWIHPESQATITRCSQPMVGVSGKRSKEDEK YLQAIMDSNAQSHKIFIDARPSVNAVANKAKGGGYESEDAYQNAELVFLDIHNIHVM RESLRKLKEIVYPNIEETHWLSNLESTHWLEHIKLILAGALRIADKVESGKTSVVVHCS DGWDRTAQLTSLAMLMLDGYRTIRGFEVLVEKEWLSFGHRFQLRVGHGDKNHAD ADRSVPFLQFIDCVWQMTRQFPTAFEFNEYFLITLDHLYSCLFGTFLCNSEQQRGK ENLPKRTVSLWSYINSQLEDFTNPLYGSYSNHVLYPVASMRHLELWVGYYIRWNPR

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MKPQEPIHNRYKELLAKRAELQKKVEELQREISNRSTSSSERASSPAQCVTPVQTVV

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

MTMR2 myotubularin related protein 2 [Homo sapiens]

Official Symbol

MTMR2

Synonyms

MTMR2; myotubularin related protein 2; CMT4B; myotubularin-related protein 2;
KIAA1073; CMT4B1;

Gene ID

8898

mRNA Refseq

NM_001243571

Protein Refseq

NP_001230500

MIM

603557

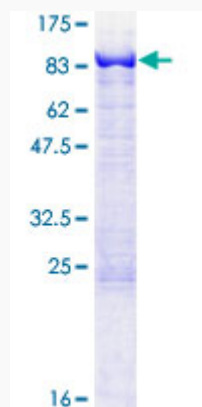
UniProt ID

Q13614

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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