

Recombinant Human MTMR2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MTMR2-6712H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MTMR2 MS Standard C13 and N15-labeled recombinant protein (NP_057240) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is a member of the myotubularin family of phosphoinositide lipid phosphatases. 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. Alternatively spliced transcript variants encoding multiple isoforms have been found for this gene.
Molecular Mass	73.4 kDa
AA Sequence	METSSSCESLGSQPAAARPPSVDSLSSASTSHSENSVHTKSASVSSDSISTSADNFS SPDLRVLRESNKLAEEMEEPPLLPGENIKDMAKDVTYICPFTGAVRGTLTVTNRYLYFK SMERDPPFVLDA SLGVINRVEKIGGASSRGENSYGLETVCCKDIRNLRFAHKPEGRTR RSIFENLMKYAFPVSNNLPLFAFEYKEVFPENGWKLYDPLLEYRRQGIPNESWRITKI NERYELCDTYPALLVVPANIPDEELKRVASFRSRGRIPVLSWIHPESQATITRCSQPM VGVS GKRSKEDEKYLQAIMDSNAQSHKIFIDARPSVNAVANKAKGGGYESEDAYQ NAELVFLDIHNIHVMRESLRKLKEIVYPNIEETHWLSNLESTHWLEHIKLILAGALRIAD

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KVESGKTSVVVHCSDGWDRTAQLTSLAMLMLDGYRTIRGFVLEKEWLSFGHRF
 QLRVGHGDKNHADADRSPVFLQFIDCVWQMTRQFPTAFEFNEYFLITILDHLYSCLF
 GTFLCNSEQQRGKENLPKRTVSLWSYINSQLEDFTNPLYGSYSNHVLYPVASMRHL
 ELWVGYYIRWNPRMKPQEPIHNRYKELLAKRAELQKKVEELQREISNRSTSSSERAS
 SPAQCVTPVQTVVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [MTMR2 myotubularin related protein 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [MTMR2](#)

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

Gene ID [8898](#)

mRNA Refseq [NM_016156](#)

Protein Refseq [NP_057240](#)

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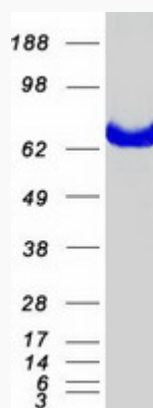
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MIM 603557

UniProt ID Q13614

SDS-PAGE



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