

Recombinant Human MTMR14 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MTMR14-599H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MTMR14 MS Standard C13 and N15-labeled recombinant protein (NP_001070994) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a myotubularin-related protein. The encoded protein is a phosphoinositide phosphatase that specifically dephosphorylates phosphatidylinositol 3,5-bisphosphate and phosphatidylinositol 3-phosphate. Mutations in this gene are correlated with autosomal dominant centronuclear myopathy. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 18.
Molecular Mass	66.7 kDa
AA Sequence	MAGARAAAAAASAGSSASSGNQPPQELGLGELLEFSRTQYRAKDGS GTGGSKVE RIEKRCL ELFGRDYCF SVIPNTNGDICGHYPRHIVFLEYESSEKEKDTFESTVQVSKL QDLIHRSKMARCRGRFVCPVILFKGKHICRSATLAGWGELYGRSGYNYFFSGGADD AWADVEDVTEEDCALRSGDTHLFDKVRGYDIKLLRYLSVKYICDLMVENKKVKFGM NVTSSSEKVDKAQRYADFTLLSIPYPGCEFFKEYKDRDYMAEGLIFNWKQDYVDAPLS IPDFLTHSLNIDWSQYQCWDLVQQTQNYLKL LLSLVNSDDDSGLLVHCISGWDRTPL FISLLRLSLWADGLIHTSLKPTEILYLT VAYDWFLFGHMLVDRLSKGEEIFFFCFNFLK

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HITSEEFSAKLTQRRKSLPARDGGFTLEDICMLRRKDRGSTTSLGSDFSLVMESSPG
 ATGSFTYEAVELVPAGAPTQAAWRKSHSSSPQSVLWNRQPSEDRLPSQQGLAEA
 RSSSSSSSNHSDNFFRMGSSPLEVPKPRLAALSDRETRLQEVRSAFLAAYSSTVGL
 RAVAPSPSGAIGGLLEQFARGVGLRSISSNALTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

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 [MTMR14 myotubularin related protein 14 \[Homo sapiens \(human\) \]](#)

Official Symbol [MTMR14](#)

Synonyms MTMR14; myotubularin related protein 14; C3orf29, chromosome 3 open reading frame 29; myotubularin-related protein 14; egg derived tyrosine phosphatase homolog (Drosophila); FLJ22405; FLJ90311; hEDTP; hJumpy; jumpy; NS5ATP4ABP1; egg-derived tyrosine phosphatase homolog; HCV NS5A-transactivated protein 4 splice variant A-binding protein 1; C3orf29; FLJ11546; FLJ46453;

Gene ID [64419](#)

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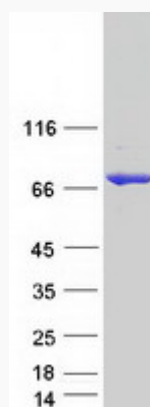
mRNA Refseq [NM_001077526](#)

Protein Refseq [NP_001070994](#)

MIM [611089](#)

UniProt ID [Q8NCE2](#)

SDS-PAGE



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