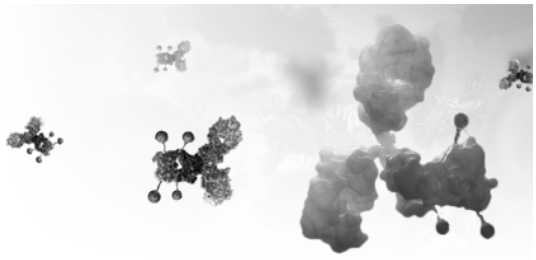

Human MTMR14 peptide (DAG-P0743)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a myotubularin-related protein. The encoded protein is a phosphoinositide phosphatase that specifically dephosphorylates phosphatidylinositol 3,5-biphosphate 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.[provided by RefSeq, Apr 2010]
Specificity	Expressed in various tissues, including heart, skeletal muscle, placenta, liver, lung, kidney and pancreas.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the protein-tyrosine phosphatase family. Non-receptor class myotubularin subfamily.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	MTMR14 myotubularin related protein 14 [Homo sapiens (human)]
Official Symbol	MTMR14
Synonyms	MTMR14; myotubularin related protein 14; C3orf29; myotubularin-related protein 14; jumpy; NS5ATP4ABP1; egg-derived tyrosine phosphatase homolog; HCV NS5A-transactivated protein 4 splice variant A-binding protein 1;

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Entrez Gene ID	64419
mRNA Refseq	NM_001077525.2
Protein Refseq	NP_001070993.1
UniProt ID	Q8NCE2
Chromosome Location	3p26
Pathway	3-phosphoinositide degradation, organism-specific biosystem; 3-phosphoinositide degradation, conserved biosystem; D-myo-inositol-5-phosphate metabolism, organism-specific biosystem; D-myo-inositol-5-phosphate metabolism, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PI Metabolism, organism-specific biosystem; Phospholipid metabolism, organism-specific biosystem; Synthesis of PIPs at the plasma membrane, organism-
Function	phosphatidylinositol-3-phosphatase activity; protein tyrosine phosphatase activity;

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