

Product datasheet for **RG207732**

MTMR14 (NM_001077525) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTMR14 (NM_001077525) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MTMR14
Synonyms:	C3orf29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207732 representing NM_001077525
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGGCGCTCGGGCCGCCGCCGCTGCCTCGGCGGGTCTCGGCCTCTTCAGGCAACCAGCCGC
 CTCAGGAGCTGGGGCTTGGGGAGCTGCTGGAGGAGTTCTCCCGGACTCAGTACCGGGCCAAGGATGGCAG
 CGGGACCGGGCGCTCTAAGGTTGAGCGCATTGAGAAGAGATGTCTGGAGCTGTTTGGCCGAGACTACTGT
 TTCAGCGTGATTCCAAACACGAATGGGGATATCTGTGGCCACTATCCCGGCACATCGTGTTCCTGGAGT
 ATGAGAGTTCTGAGAAGGAGAAAGACACGTTTGGAGTACCGTACAGGTGAGCAAGTTGCAAGACCTCAT
 CCACCGCAGCAAGATGGCCCGTGCAGAGGACGGTTTGTCTGCCAGTAATCCTGTTCAAGGGCAAGCAC
 ATTTGCAGGTGGCCCACTGGCTGGATGGGGAGAGCTGTATGGACGCTCAGGCTACAATATTTTTTCT
 CAGGGGGTGCAGATGATGCCTGGGCAGATGTGGAGGACGTACGGAGGAGGACTGTGCTCTTCAAGTGG
 TGACACGCATCTTTTGGATAAGGTCAGAGGCTATGACATCAAGCTGCTTCGATACCTGTCAAGTCAATA
 ATCTGTGACCTGATGGTGGAGAACAAGAAGGTGAAGTTTGGCATGAATGTAACTCCTCTGAGAAGTGG
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 CTCTTGCTGCGTACAGCAGCACAGTGGGGCTTCGGGCAGTAGCCCCAGTCTTCCGGTGCATCGGG
 GGCTGCTGGAGCAATTTGCCCGTGGTGTGGACTCCGGAGCATCAGCAGCAATGCCTTG

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207732 representing NM_001077525
 Red=Cloning site Green=Tags(s)

MAGARAAAAASAGSSASSGNQPPQELGLGELLEEF SRTQYRAKDGSGTGGSKVERIEKRCLLEFGRDYC
 FSVIPNTNGDICGHYPRHIVFLEYESSEKEKDTFESTVQVSKLQDLIHRSKMARCRGRFVCPVILFKGKH
 ICRSATLAGWGELYGRSGYNYFFSGGADDAWADVVEDVTEEDCALRSGDTHLFDKVRGYDIKLLRYLSVKY
 ICDLMVENKKVKFGMNVTSSEKVDKAQRYADFTLLSIPYPGCEFFKEYKDRDYMAEGLIFNWKQDYVDAP
 LSIPDFLTHSLNIDWSQYQCWDLVQQTQNYLKLKLLSLVNSDDDSGLLVHCISGWDRTPLFISLLRSLWA
 DGLIHTSLKPTEILYLTVAYDWFLFGHMLVDRLSKGEEIFFFCFNFLKHITSEEF SALKTQRRKSLPARD
 GGFTLEDICMLRRKDRGSTTSLGSDFSLVMESSPGATGSFTYEAVELVPAGAPTQAARWKS HSSSPQSVL
 WNRQPSEDRLPSQQGLAEARSSSSSSSNHSDNFFRMGSSPLEVPKPRVDHPLPGSSSLTDYGSQVMVT
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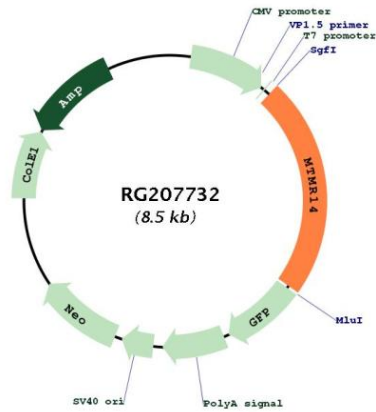
TRTRPLE – GFP Tag – V

Cytogenetics: 3p25.3

Protein Families: Druggable Genome, Phosphatase, Secreted Protein

Gene Summary: 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]

Product images:



Circular map for RG207732