

Product datasheet for **RC207484**

MTMR4 (NM_004687) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MTMR4 (NM_004687) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MTMR4
Synonyms: FYVE-DSP2; ZFYVE11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC207484 representing NM_004687
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGCC**

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Protein Sequence: >RC207484 representing NM_004687
Red=Cloning site Green=Tags(s)

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ATASS
    
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Chromatograms: https://cdn.origene.com/chromatograms/mg4286_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

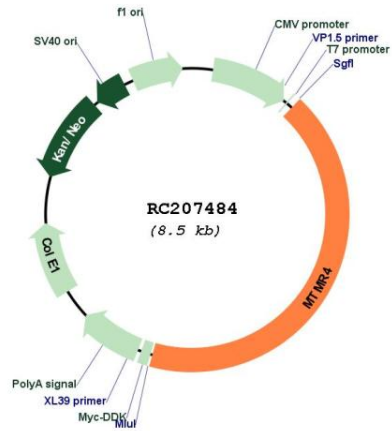


ACCN: NM_004687

ORF Size: 3585 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_004687.5
RefSeq Size:	5840 bp
RefSeq ORF:	3588 bp
Locus ID:	9110
UniProt ID:	Q9N YA4
Cytogenetics:	17q22
Domains:	FYVE
Protein Families:	Druggable Genome, Phosphatase
MW:	133.2 kDa
Gene Summary:	Dephosphorylates proteins phosphorylated on Ser, Thr, and Tyr residues and low molecular weight phosphatase substrate para-nitrophenylphosphate. Phosphorylates phosphatidylinositol 3,4,5-trisphosphate (PIP3).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC207484