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Product datasheet for RN209153

Tmed9 (NM_001009703) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmed9 (NM_001009703) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmed9
Synonyms:	RGD1307627
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209153 representing NM_001009703 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCTGCGGTGCGAGGCGTGCGAGTTGTCGGAACCTCACCTGGACTCTTGCTGGGGAGAGGGATGCGGG CCTTCCTGCTACTGCTGTGCCTTGCAGCCCGCGGAGGCGCGCTCTATTTCCACATAGGAGAGACAGAGAA GAAGTGCTTCATTGAGGAGATTCCGGACGAGACCATGGTCATCGGAAATTACCGGACGCAGCTGTATGAC AAACAGCGGGAGGAGTACCAGCCAGCCACTCCTGGGCTTGGTATGTTCGTGGAAGTAAAAGACCCCGAGG ACAAGGTCATTCTGGCCCGGCAGTATGGCTCTGAGGGCAGGTTCACATTCACCTCCCACACCCCCGGTGA GCACCAGATCTGTCTTCACTCAAATTCTACCAAGTTCTCCCTCTTTGCTGGAGGGATGCTGAGAGTTCAC CTTGACATCCAAGTGGGCGAACACGCGAACGACTATGCGGAAATCGCGGCCAAAGACAAGCTGAGTGAGC TGCAGCTGAGAGTCCGACAGCTGGTGGAGCAGGTGGAGCAGATCCAAAAGGAGCAGAACTACCAGCGGTG GCGAGAGGAGCGCTTCAGACAAACCAGCGAAAGCACCAACCAGCGAGTGCTGTGGTGGTCCATCCTACAG ACTCTCATCCTCGTGGCCATCGGCGTCTGGCAGATGCGGCACCTCAAGAGCTTTTTTGAAGCCAAGAAGT TGGTGTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001009703
Insert Size:	708 bp

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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	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_001009703.1, NP_001009703.1
RefSeq Size:	1446 bp
RefSeq ORF:	708 bp
Locus ID:	361207
UniProt ID:	Q5I0E7
Cytogenetics:	17p14
Gene Summary:	Appears to be involved in vesicular protein trafficking, mainly in the early secretory pathway. In COPI vesicle-mediated retrograde transport involved in the coatomer recruitment to membranes of the early secretory pathway. Increases coatomer-dependent activity of ARFGAP2. Thought to play a crucial role in the specific retention of p24 complexes in cis-Golgi membranes; specifically contributes to the coupled localization of TMED2 and TMED10 in the cis-Golgi network. May be involved in organization of intracellular membranes, such as of the ER-Golgi intermediate compartment and the Golgi apparatus. Involved in ER localization of PTPN2 (By similarity).[UniProtKB/Swiss-Prot Function]