

## Product datasheet for **MR220012**

### **Tmed1 (NM\_010744) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmed1 (NM_010744) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmed1
Synonyms:	Il1rl1l; Ly84l; St2l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220012 representing NM_010744 <span style="color: red;">Red</span> =Cloning site <span style="color: blue;">Blue</span> =ORF <span style="color: green;">Green</span> =Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGATGGCGGCCGCGCGGCCGTAGCACTGGCCCTGTGGCTACTCCTGCCAGCAGTAGGAGTGGGAGAGG  
 CAGGGCCGCCCTATCCAGGACGGCGAGTTCACATTTCTGCTTCCCGCCGGGAGAAAGCAGTGTCTA  
 TCAGTCCGCACCGGCCAATGCTAGTCTTGAGACCGAGTACCAGGTGATCGGAGGTGCTGGGCTGGACGTG  
 GACTTCACCTTGGAGAGCCCTCAGGGTGTGCTGTTGGTCAGTGAGTCTCGAAAGGCTGATGGGTACACA  
 CGGTGGAGCCTACTGAGGCCGAGACTACAGGCTGTGCTTTGACAACTCCTTCAGCACCATCTCAGAAAA  
 GCTTGTGTTCTTTGAGCTCATCTTTGACAGCTTCCAAGATGAGGAGGAGGTAGAAGGTTGGCGGAGGCT  
 GTGGAGCCAGAAGAGATGCTTGATGTCAAAATGGAAGACATCAAGGAATCCATAGAGACCATGAGGACCC  
 GGCTGGAACGGAGCATCCAGATGCTCACTCTGCTCCGAGCCTTTGAGGCTCGTGATCGAAATCTTCAAGA  
 AGACAACCTGGAGCGGTCAACTTCTGGTCAGCTGCCAATGTGGCTGTGTTGCTGCTGGTGGCTGTCTCTG  
 CAAGTCTGCACACTCAAGCGCTTCTCCATGACAAGCGCCCTGTACCCACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >MR220012 representing NM\_010744  
 Red=Cloning site Green=Tags(s)

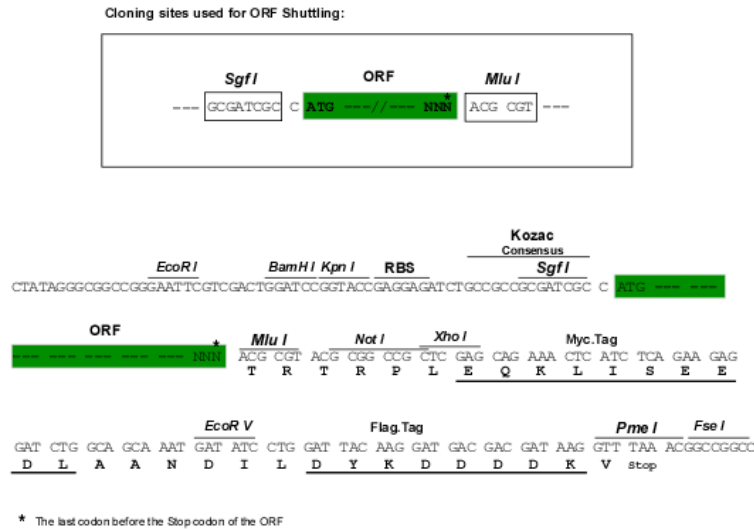
MMAAGAAVALALWLLPAVGVEAGPPPIQDGEFTLLPAGRKQCFYQSAPANASLETEYQVIGGAGLDV  
 DFTLESPQGVLLVSESRKADGVHTVEPTEAGDYRLCFDNSFSTISEKLVFELIFDSFQDEEEVEGWAEA  
 VEPEEMLDVKMEDIKESIETMRRLERSIQMLTLLRAFEARDNRLQEDNLERVNFWSAANVAVLLLVAVL  
 QVCTLKRRFFHDKRPVPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9024\\_h01.zip](https://cdn.origene.com/chromatograms/mm9024_h01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010744

**ORF Size:** 681 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:**

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\\_010744.4](#), [NP\\_034874.2](#)

**RefSeq Size:** 1487 bp

**RefSeq ORF:** 684 bp

**Locus ID:** 17083

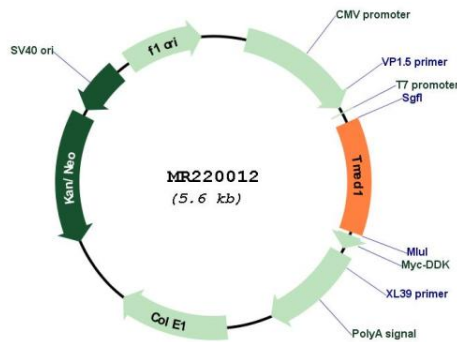
**UniProt ID:** [Q3V009](#)

**Cytogenetics:** 9 A3

**MW:** 25.7 kDa

**Gene Summary:** Potential role in vesicular protein trafficking, mainly in the early secretory pathway. May act as a cargo receptor at the luminal side for incorporation of secretory cargo molecules into transport vesicles and may be involved in vesicle coat formation at the cytoplasmic side.  
[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR220012