

## Product datasheet for RN213753

### Tmem225 (NM\_001024359) Rat Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Tmem225 (NM_001024359) Rat Untagged Clone  |
| Tag:                      | Tag Free   |
| Symbol:                   | Tmem225  |
| Synonyms:                 | Pmp22cd  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >RN213753 representing NM_001024359<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGCGCATTCCAACAGAAGTATCCAGGCTGCCAACATATTCTTCTCCTCTGGGGCCATACTTCTGT  
TGATAGCAGGACTCATCGAAAAGTGGTGAATTGATCCCAAAGTGAGAAAAGATAAAAGTTACCCA  
CAGTCCATGGCTGGGATGCTGTCCTCTTTTGGCCTGAAGAGAGCCTGGAGGCAATCAGACGGATGATG  
ATGATGAGTCTCAACATTTCCATCTATCTAACTTGATCATAGGTCTGCAGTTCACCTACATGATTTCTC  
AAAATAAGTGTGTGCATCTCCTTATTGGCTTCTGAGTTTCTTACAGGTTGCCTTTTGTCTATGCAAT  
CATTGTGTATCATCAAGCTAAATAAAGTCAAGTATGTGACTTCGTTAATTACAAGACCAAATGGATA  
GTTTTCCACATCTACTTAACCATCGCCCTTTTCTTACCTGTGGTATCTTCAAGTTTCATACAGTGCACAA  
ACAGATGTGCGTGCATGAAATTCTGTGTACCCACACAGAAAGTAGCAGCAAAGCAATGACTCAGAATAC  
AATCCAAGTTATTTCACTTCCCTCCACGATCGGAAATGCCTCGAAGTATCGTCCATATGCACTCTGATATG  
CCAGGCAAGGAGGTTCCATATCCAACCACATCTCCAATCACGTCGTGTGACCTGGGCTCTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                    |              |
|--------------------|--------------|
| Restriction Sites: | Sgfl-MluI    |
| ACCN:              | NM_001024359 |
| Insert Size:       | 696 bp       |



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|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_001024359.1</a></u> , <u><a href="#">NP_001019530.1</a></u>   |
| <b>RefSeq Size:</b>           | 910 bp  |
| <b>RefSeq ORF:</b>            | 696 bp  |
| <b>Locus ID:</b>              | 500980  |
| <b>UniProt ID:</b>            | <u><a href="#">Q6GV27</a></u>   |
| <b>Cytogenetics:</b>          | 8q22  |
| <b>Gene Summary:</b>          | Probably inhibits protein phosphatase 1 (PP1) in sperm via binding to catalytic subunit PPP1CC.[UniProtKB/Swiss-Prot Function]  |