

## Product datasheet for **RN216938**

### **Mpp7 (NM\_001100575) Rat Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | Mpp7 (NM_001100575) Rat Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | Mpp7                                   |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | pCMV6-Entry (PS100001)                 |
| E. coli Selection:        | Kanamycin (25 ug/mL)                   |



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**Fully Sequenced ORF:** >RN216938 representing NM\_001100575  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCAGCACTGGCCACAGGATCTGCCTGCGCACGGGTCTGTACGAGCTGTTGGCTGCTCTGCCTGCC  
 AGCTGCAGCCACATGTGGATAGCCAGGAGACCTGACCTTCTCTGGGACATGTTGGTGAAAAAGCCT  
 GCATTCAGTGGTCAAGATCCATGAGAACTTCACTACTATGAGAAGCAGAGTCCAGTGCCATTCTCCAT  
 GGCGCGCAGCTTTGGCTGATGACCTGGCTGACGAGCTCCAGAACAAGCCACCAACAGTGAGATCAGAG  
 AGCTGTTGAAACTGCTGTCCAAACCAATGTGAAGGCTTTGCTGTGAGTGCATGATACTGTGGCTCAAAA  
 GAGTTACGATCCTGTATTGCCTCCCATGCCTGACGATATTGATGACGAGGAAGACTCTGTGAAAATCATC  
 CGCTGGTTAAGAACAGAGAGCCTCTGGGTGCTACTATTAAGAAAGATGAACAGACCGGAGCAATCACCG  
 TGGCCCGAATCATGCGGGGAGGAGCTGCAGATAGAAGTGGTCTTATTCATGTGGCGATGAGCTAAGGGA  
 AGTGAATGGGATCCAGTGAAGATAAGAGGCCGAGGAAATAATACAGATTTTGAGTCAGTCCCAGGGA  
 GCAATTACATTTAAGATAATACCCAGCACCAAGAGGAGATACCTTCTAAAGAGGGCAAGATATTTATCA  
 AAGCCCTCTTTGACTATGATCCTAAGGAGGACAAGGCGATCCCATGTAAGAGGCAAGCCTGTCTTTTCAG  
 GAAGGGTGACATTTCTCAGATTATGAGCCAAGATGATGCGACATGGTGGCAGGCTAAGCATGAAGGTGAC  
 ACCAACCCAGAGCGGGCCTGATTCCTCGAAGCACTTCCAGGAACGGAGACTGGCTCTGAGACGACCAG  
 AAATAGTAGTTACGCCTCTGAACTTTCCAACAGGAAATCATCTGGTTTTAGAAGAAGTTTCCGCTTAG  
 CAGAAAGGATAAGAAAACAAATAAGTCCATGTACGAATGCAAAAAGAGTGAACAGTACGACACAGCAGAT  
 GTGCCCACATATGAGGAGGTGACACCCTACCGCGGCAGACCCATGACAAGTACAGACTCGTCGCTCTGG  
 TTGGTCTGTTGGAGTTGGCTGAATGAGCTGAAGCGGAAGCTATTGATGAGTGACACACAGCACTATGG  
 CGTGACAGTACCTCATACCACTAGAGCAAGAAGAAGCCAAGAGAGTGATGGCGTGAATATATTTTTATT  
 TCCAAACATTTGTTGAGACAGATGTACAAAATAACAAGTTCATCGAGTACGGCGAATATAAAAAACACT  
 ACTATGGTACGAGCATAGACTCAGTCCGCTCTGTCTAGCTAAGAACAAGTCTGTCTGTTGGATGTCCA  
 GCCTCATACAGTGAAGCATTTAAGGACTCTGGAGTTCAAACCTATGTGATATTTATAAAGCCTCCATCC  
 ATAGAGCGTTTGAGAGAGACAAGAAAAATGCAAAGATTATTTCAAGCAGAGATGACCAAGGACTGCAA  
 AGCCCTTACGGAAGAAGACTTTCAAGAAATGATCAAATCAGCACAGATAATGAAAGTCAATATGGCCA  
 TCTTTTTGACAAAATCATAATAACGATGATCTTACTGTAGCATTAATGAGCTAAAAACAACATTTGAC  
 AAAGTAGAGACTGATGCCATTGGTCCCAGTGAGCTGGTTACATTCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001100575
- Insert Size:** 1731 bp
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001100575.1](#), [NP\\_001094045.1](#)

**RefSeq Size:** 1892 bp

**RefSeq ORF:** 1731 bp

**Locus ID:** 307035

**UniProt ID:** [Q5U2Y3](#)

**Cytogenetics:** 17q12.1

**Gene Summary:** Acts as an important adapter that promotes epithelial cell polarity and tight junction formation via its interaction with DLG1. Involved in the assembly of protein complexes at sites of cell-cell contact (By similarity).[UniProtKB/Swiss-Prot Function]