

## Product datasheet for **RN205523**

### **Rsph6a (NM\_001024748) Rat Untagged Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Rsph6a (NM_001024748) Rat Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | Rsph6a                                   |
| Synonyms:                 | Dmwd; Hn1-ps1; Rshl1                     |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**Fully Sequenced ORF:** >RN205523 representing NM\_001024748  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**

ATGGGGGATCCACCGCCCAACCCTGACCCCTCCCAAACCGAGGGCTTCCAAAACCTCAGAAAGGGCAC  
 GGAGTCGTGAGTACTCGCAGCCTCTGTTGTCCATCCCGAGGATGGGGTGACGACCGCAGCAGCGGGG  
 CAGTCGGATCAGTCAGGCGAGTCAGGACCTGCAGGCAACTGGCCTGCCTCAGTGGCCACAGAGGCCAGC  
 CTGCCCCCGGATATTCAGGATGAGGAAGGCACCGACTTAGACGTGACCTTAGGCTACCCGTAGGCTTTC  
 CCATGGAGTTCTCACAACAGCATTACCTGGATGATAGCGGGATGTTGCAGCAGTTCGCGAGGGCCAGAG  
 CCTCTTAGAACAACTGGAGTCTAACTACCAAGACTCGGCTCCGGAGTCTGGACCAATTCAACCTCTAC  
 TCAAGAGAGGATGACACATTCAGCCAGGCCACACAGCATGGACCCTACATGAGAGATGACCCACCTCC  
 ACTTAGGGCCCTCTGATCTGGGCTTCATGCCCTTTGTTGGAGAGGTGCCTGACCCGAGCCTCGTAGCT  
 GGCAGTACAGAACGCCAAGGCCTACCTGCTGCAGACCAGCGTGAGCTGCAACCTCAGCCTGTATGAGCAC  
 CTGGTGAACTGCTGACCAAGATCCTGAACCAGCGGCCGAGGACCCCTTGTCATCCTGGAGTCTCTGA  
 ACCGCACACGCACTGGGAATGGTTCCACCCCAAGCTGGACACGCTGCGGGACGACCCCGAGATGCAGCC  
 CACCTACGAGATGGCCGAAAAGCAAAAGGCTCTGTTTATCAGGGGTGGAGGAGAAGGTGAACAGGAAATG  
 GAAGAGGAGGTGACTGACAGCCCGTGCCCAACATCATGGAGACAGCTTTCTACTTCGAGCAGCGGGGG  
 TGGGGCTGAGCTCGGATGAAAGCTTCGAATCTTCTGGCCCTGAGGCAGCTACCTGGTGGCCGAGGTGGAGTTC  
 CCACTCATGCCGCTTCTGGGGCAAGATCCTGGGCTGAGCCGAGCTACCTGGTGGCCGAGGTGGAGTTC  
 CGCGAGGGCGAGGAGGAGGAGGAGGAGGAGGTGGAGGAGATGATGGAGGGAGGCGAGGTCTTGAGA  
 CGCACGGTGAGGAGGAGGCGAGGAGGATGAGGAGAAGGTAGTGACGCCGTGCCAAGCCGAGTGGAA  
 GCGCGCCGAGTCATCCCAAGGAGGAGCGCAGCGGCCCAACAAATACCTGTACTTCGTGTGCAAC  
 GAGCCGGGCCGTCCTGGACGCGCTGCCGACGCTGACGCCCGCGCAGATCGTGTGCGCGCAAGATCA  
 AAAAGTTCTTACCGGCTTCTGGACACTCCGGTCATCAGCTACCCGCCCTTCCCGGCAACGAGGCCAA  
 CTATCTGCGCGCAAAATGCGCGCATCTCCGCCGCCACGACATCAGCCCGTGGGCTTCTACAGTTC  
 GGCGAGGAGGAGGCGATGAAGAGGAGGAGGCGCGCGGGCGCGACTCGTTCGAGGAGAACCCTGACT  
 TTGAGGGCATCCCGTGTGGAGCTCGTGGACTCCATGGCCAACCTGGGTACATCACAGCAGCACATCCT  
 GCCTCAGGGGCGTGTACATGGGTGAACCAATGCAGAAGACAGAGGAGGAAGAGGAGCTGGGGAGGAG  
 GAAGAGAAGGCGGACGAGGGGATGGAGGAGGTAGAGCAGGAGGTGGTCTCCGCTTCTGACCCCTCTCT  
 CAGAAGACGCAGAAATCATGCACCTGTCTCCCTGGACCACCCGCCTCTCCTGCAGCTCAGCCCTCAGTA  
 CTCGGTGGCCGTCGTGCGTTCCAACCTCTGGCCAGGGGCTATGCCTACGCCACTGGAAGTTTGAGAACC  
 TGTACATTGGCTGGGGTCACAAGTATAGCCCCGAGAACTTCAATCCAATGCTGCCAGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001024748

**Insert Size:** 1953 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).

**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\_001024748.1, NP\_001019919.1

**RefSeq Size:** 2352 bp

**RefSeq ORF:** 1953 bp

**Locus ID:** 292684

**Cytogenetics:** 1q21