

## Product datasheet for **RN217570**

### Raph1 (NM\_001108798) Rat Untagged Clone

#### Product data:

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                |
| Product Name:             | Raph1 (NM_001108798) Rat Untagged Clone                                            |
| Tag:                      | Tag Free                                                                           |
| Symbol:                   | Raph1                                                                              |
| Mammalian Cell Selection: | Neomycin                                                                           |
| Vector:                   | pCMV6-Entry (PS100001)                                                             |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                               |
| Fully Sequenced ORF:      | >RN217570 representing NM_001108798<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAGCAACTATCTGATGAAGAGATTGACCATGGTGCAGAAGAAGACAGTGACAAGGAAGATCAGGACC  
TGGACAAAATGTTTGGGCTGGCTTGGGAGCTGGACAGACTTACTCAGAGTTTGGATTCTGACAAGCC  
CAAAGAACCAGTGAAAAGATCTCCTCTTCGCCAGGAAACAAATATGGCCAACTTTTCTTACCGTTTCTCC  
ATATACAACTTGAATGAAGCTCTGAATCAGGGTGAGACTGTGGATCTGGACGCCCTGATGGCCGATCTCT  
GCTCTATAGAGCAGGAGCTCAGCAGTGTGGCTCAGGAAATAGTAAGCGCCAAGTCACAGAACCAGGAGT  
TGCTCAGAAGCTACCTGCTAGCCGACATACATCAAAACATGGTACCCTGAGAGGAGTGTCATCTTCTCTCT  
ACTAGAACAAGTGGCCTCCGCATGCTAACTACTCCCTGGATGACATCACTGCACAGTTAGAACAGGCTT  
CCTTGAGCATGGACGAGGCTGCTCAGCAGTCTGCAGTAGAAGATGCTAAGCCTCCCGCAACAAACCAGCA  
CAGAAGGACCGCATCAGCAGGCACCGTGAGTGACGCCGAAGTGCGCTCCGTTAGCAACTCCTCCCGGTGCG  
AGCATCACTTCTGCGGCTCCAGCATGGATTCTCTGGATATTGACAAAGTCACACGCCCTCAAGAAGTGG  
ATTTGACAGCACACCAGGAAAGCCAATTACTGAGGAAGAAGCAGCAGCAAACTGAAAGCTGAGAAGAT  
CCGAGTTGCTCTGGAGAAAATTAAGAGGCTCAAGTGAAAAGCTGGTGATCAGGGTCCACATGTCTGAT  
GACAGTTCTAAAACAATGATGGTGGATGAGAGACAGACAGTGAGACAAGTGCTGGATAACCTGATGGACA  
AATCTCACTGTGGCTACAGTTTAGACTGGTGGTGGGAGACAATTTCTGAGTTACAAATGGAAAGAAT  
CTTTGAAGACCATGAAAAGTGGTTGAAAATCTTCTTAATTGGACAAGAGACAGCCAAAATAGCTTATA  
TTTATGGAGCGTATAGAAAAATATGCATTTTTTAAAAACCCCAAGATTACCTTCTAGGGAAAAAGGAAA  
CGGCTGAGATGGCAGACAGAAACAAAGAAGTGCTGTTAGAGGAATGTTTTGTGGAAGTTCTGTAAGTGT  
CCCAGAAATTGAAGGAGTCCTTTGGTTGAAAGATGATGGCAAGAAGTCTGGAAAAAGCGTTATTTTCTC  
TTGCGAGCATCTGGTATCTACTATGTCCCTAAAGGAAAGCAAAGGTATCTCGGGATCTAGTGTGCTTTC  
TCCAGCTGGATCATGTAATGTATACTATGGGCAGGACTATCGGAACAAATACAAAGCACCACAGACTG  
CTGTCTGGCCTTAAAGCACCACAGATCCAGAAGAAGTCTCAGTACATCAAGTACCTTTGTTGTGATGAT  
GCAAGGACCTGCATCAGTGGTCAATGGGATCCGCATTGCCAAGTATGGGAAGCAGCTCTACACGAATT  
ACCAAGAAGCCTTGAAGAGGACAGAGTCAGCTTATGATTGGACCTCTTTATCCAGCTCCAGCATTAATC



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CGGATCCAGTTCTTCCAGTATCCAGAGTCTCAGTCCAATCACTCTAATCAGTCTGACAGTGGAGTGTCT  
GACACCTGCCCTCCGGACACATCCGCTCCCAAAGTACTGTGAGCTCTATCTTCTCGGAAGCCTGGAAGC  
GAGGCACTCAGTTGGAAGAGTCCAGCAAGGCCAGAATGGAGTCTATGAATCGGTCTACACTTCACTTAT  
GCCCCCCTGTCCCTCAAACCTAAGATCATCACTCCCTATACTGCCTCACAACCTTACCACCTCTGCCT  
CCTCTCCACCACCACCTCCTCCTCCACCTCCACCACCACCACCTCCTCCTCTCTCCAGCCAGT  
CTGCACCATCTTCAGGCTCAGCAGCCACCATGTTTGTCAAGTACAGCACAATCACCAGGCTGCAGAATGC  
AGCTCAGCATTGAGGACCCTGTTTAAGTCTCCAGCACCATCAGCGATGCAGCCTCTTCTTTGGTTCA  
CAGTCCAAGGCTCAAATTGTGGTGCCCCCAATGGAGTTATTCTCCACCCCTCCTCCTCCCCACCCC  
CAACCCCGGCTCAGCCATGGCCAGTTAAAGCCAGTGCCATGTGCCCATCCCTACCACAGTTCAGCCC  
CCAACCTCCACCCCTGAAGATTCATCAGGTTTACGATCTTCTCAGGCAGCCCTCTACACCCACGCA  
GTCCTCTCATCCCTGCAACTGTGCCACCTCAAGCACCCTTAAACCTCTGGTGACCATCTCTCTTACAG  
CCAGCACAAGATGGTGTACCAAGTAGTAGCACAAGCTGTACCACCTACCCCTGCACCTCCAGTGCCCC  
AACAAAGAAACAGCCAGTATTCCCTGTTTCTCACATTCCACCCACTCCCCTGTCCAGCCTACCCACAT  
CCCCACCAACACTACCAAGCAGCAGAGCTTTGGGTGAAGCCACCCCTCTCCACTGTCCCCTGTGC  
CCTCAGTTGTGAAGCAGATGGCCAGTCACTTTCCACCCCTCCACTCCTCCTGTGGACTCTCAGCC  
CCTAAACCTCTCCAGCAAGTGTACCCACAGTCCCTCCTGCAGTAAAGCAAAACCAAATGGCAG  
CCCAGTTCAATCCCTGCCCTTCTCCAGATTTCCCTCCTCCCCCTCTGAAAGCAGCCTGGTATTTCTC  
CACCACCTCCTCCAGCCAGTCCACCACCACCACCACCACCTCCACCACCACCACCACCAGT  
GTCACCTATGGCTTACCTACCCCTGACAAAGGTGGATCTCCAGGCAAAAGACAAGTAAGATGTCCAGC  
CCTGGGGGAAGAAACACCCCAACCCCGCAGCGCAACTCCAGCATTAAAGTCCGGCAGTTGTGCAGAGC  
ACCCTGAGCCCAAGCGACCCTCGGTAGACAGTCTAGTCAGCAAGTTTGCACCGCCAGCAGAATCAGGGTC  
TCCAGCAAGGAGACCCACACCTCTGCAGCACCCTTAAACCTGGGAACTACACCTTTCTGGAGTC  
AACCTCCCTGGAATCCATCAGCAAGGATTTTGTGGCAAAACCTCTGTTCTAAGTGGGCTGGAAGG  
ACGCCGTGGTGAATTTCCATCTCCACCATCTGATTCTGACTTTCCACCCCTCCTCCTGAAATAGAGCT  
TCTCTACCCCTATCGAGATTCAGCTGTCTTCTCCGGGAACACCTCCCCAAAGTGGCAGTTGTTAAT  
CCTCAGCCACAGCTATGGTCTAAACATCAGTGAAGAAGGCCCTCCACCTACCCGGCCCAACGCAATG  
ATAGTACCGTCTCACTCAAGCTGACATCTCTGAACAGCCAGCGATGACCACAGTTGTGCCACAAGTGCC  
CACTTCTCTAAATCCAGCCTTAGCGTCCAGCCTGGATTCTAGCTGATCTCAACAGGACACTGCAGCGC  
AAGTCTATCACACGGCATGGCTCCCTCTCCTCCTCAGTATGTCTAGAGCAGAACCCACAGCCACAATGG  
ACGACATGGCACTACCCCAACCACCAGAACTGCTGTCTGACCAGCAGAAAGTGGCTTTGGAGGTAG  
TCATATTTAGGCTATGCAACATTGCGAAGAGGACCCCTCCCGCCCTCTAAAGAGACCAGAATACT  
AAGCTCTCAAGAGACTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001108798

**Insert Size:**

3801 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\_001108798.2, NP\_001102268.2

**RefSeq Size:** 7305 bp

**RefSeq ORF:** 3801 bp

**Locus ID:** 363239

**Cytogenetics:** 9q32