

Product datasheet for **RN211224**

Rhot1 (NM_001107026) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhot1 (NM_001107026) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rhot1
Synonyms:	MGC156790
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211224 representing NM_001107026
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTGGCGGCCGAGTGGCGCCCTGCGAGCCTCCGACATGAAGAAAGACGTGCGGATCCTGCTGGTGG
 GAGAACCCTAGAGTTGGGAAGACATCACTGATTATGTCTCTGGTCAGTGAAGAATTTCCGGAAGAGGTTCC
 TCCTCGGGCAGAAGAAATCACCATTCCAGCTGATGTCACCCCTGAAAGAGTTCCAACACACATTGTTGAT
 TATTCAGAGGCAGAACAGAGTGAACAACTTCATCAAGAAATATCACAGGCTAATGTCATCTGCATAG
 TTTATGCTGTTAAACAACAAACATTCTATTGATAAGGTAACAAGCCGATGGATTCTCTCATAAATGAAAG
 AACAGACAAAGACAGCAGGCTGCCTTTGATATTGGTTGGGAACAAATCTGACCTGGTGGAGTATAGTAGT
 ATGGAGACCATCCTTCCAATTATGAACCAATATACAGAAATAGAAACCTGTGTGGAGTGTTCAGCAAAAA
 ACCTAAAGAATATATCAGAACTGTTCTATTATGCACAGAAAGCTGTTCTTCATCTACAGGGCCTTTGTA
 CTGCCAGAGGAGAAAGAGATGAAACCAGCTTGTATAAAAGCCCTCACTCGTATATTTAAAAATCTGAC
 CAAGATAATGATGGCACTCTGAATGATGCTGAGCTCAACTTCTTTCAGAGAATTTGTTTCAACACTCCTT
 TAGCTCCCAAGCTCTGGAAGATGTCAAGAATGTGGTTAGAAAGCACTTAAGTGACGGTGTGGCTGACAG
 TGGGCTGACACTCAGAGGTTTTCTTTTTACATACACTTTTTATCCAGAGGGGGAGGCATGAGACCACT
 TGGACTGTGCTTCGACGATTTGGTTATGATGATGATCTGGATCTGACGCCGAGTACTTATTTCCCTGC
 TAAAAATACCTCCTGATTGCACTACTGAACTAAATCATCATGCATATTTGTTTCTCAAAGCACCTTTGA
 CAAACATGATCTGGACAGAGACTGTGCTTTGTACCTGATGAACTCAAAGATTTATTTCAAGTTTTCCCT
 TACATACCTTGGGACCAGATGTAATAACACAGTTTGTACAAATGAAAGCGGCTGGATAACCTACCAGG
 GATTCCTTTCCAGTGGACGCTCACAACCTACTTAGATGTACAGCGTTGTCTGGAGTATCTGGCTATCT
 AGGCTATTCCATACTGACGGAACAAGAGTCTCAAGCTTCAGCCATCACAGTAACAAGAGATAAAAAGATT
 GACCTGCAGAAAAACAGACTCAGAGAAATGTGTTGAGATGTAATGTGATTGGAGTGAAGGCTGTGGAA
 AAAGTGGAGTTCTTCAGTCTCTCCTTGGGAAGAAACCTAATGAGGCAGAAGAAAATTCGTGATGATCATAA
 ATCCTATTATGCAATTAACACTGTCTATGTATACGGACAAGAGAAATACTTGTGCTACATGATATCTCA
 GAGTGGGAGTTTCTACTGAGGCTGAGATCGTTTGTGATGTTGTATGCCTGGTATATGATGTCACCAATC
 CCAAGTCAATTTGAATACTGCGCCAGGATTTTTAAGCAACATTTTATGGACAGCAGAAATCCCTGCTTAAT
 TGTAGCTGCAAAGTCAGACCTGCATGAAGTCAAGCAAGAACACAGTGTCTCACCTACTGATTTCTGCAGG
 AAACACAAAATGCCTCCGCTCAAGCCTCACTTGTAACTGCTGATGCGCCAGTAAGGATATCTTTG
 TTAAGCTGACAACGATGGCCATGTACCCGACGTGACACAAGCTGACCTCAAGAGCTCAACATTCTGGCT
 TCGAGCAAGCTTTGGTGCTACTGCTTTGCAGTCGTGGGCTTTGCTATGTACAGAGCACTATTGAAACAG
 CGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001107026

Insert Size: 1896 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_001107026.2](#), [NP_001100496.1](#)

RefSeq Size: 2941 bp

RefSeq ORF: 1896 bp

Locus ID: 303351

Cytogenetics: 10q25-q26