

Product datasheet for **RN216231**

Rasd1 (NM_001270954) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rasd1 (NM_001270954) Rat Untagged Clone
Tag: Tag Free
Symbol: Rasd1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN216231 representing NM_001270954
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACTGGCCGCGATGATCAAGAAGATGTGCCAAGCGACTCTGAACTGAGTATCCCGGCCAAGA
GCTACAGGATGGTCATCCTCGGCTCATCCAAAGTGGGCAAGACGGCCATCGTGTGCGCTTCTCACGG
CCGCTTCGAGGACGCTTACACCCCTACCATTGAAGACTTCCACCGAAAGTTTTACTCGATCCGCGCGAA
GTCTACAGATTGGACATACTGGACACATCTGGCAATCATCCGTTTCCCGCCATGCGGCGCCTCTATCC
TCACAGGAGACGTTTTTCATTCTGGTGTTTCAGCTTAGACAACCGGACTCCTTCGAGGAGTGCAAAAGGCT
CAAACAGCAGATCCTAGACACCAAGTCCGTCTCAAGAACAAAACCAAAGAGAATGTGGACGTGCCGCTG
GTCATTTGCGGTAACAAAGGGGACCGGGACTTCTACCGCAAGTGGAGCAGCGGGAGATTGAGCAGCTGG
TGGGCGATGACCCTCAGCGTTGTGCCTACTTCGAGATCTCGGCCAAGAAGAATAGCAGCCTGGACCAGAT
GTTCCGTGCGCTCTTTGCCATGGCCAAGCTGCCTAGCGAGATGAGCCCTGACTTGCACCGCAAGGTGTCT
GTGCACTACTGTGACGTGCTGCACAAAAGGCTCTGAGGAACAAGAAGCTTCTGCGTGCGGGCAGCGGAG
GTGGGGGCGACCACGGAGATGCCTTTGGCATCTTGGCGCCCTTTGCTCGCAGACCTAGCGTGCATAGCGA
CCTCATGTACATTCGTGAGAAAACCAAGTGTGAGCAGCCAGGCTAAGGACAAGGAGCGCTGTGTCATCAGT
TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270954
Insert Size: 843 bp



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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:	<ol style="list-style-type: none"> 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:	<u>NM_001270954.1</u> , <u>NP_001257883.1</u>
RefSeq Size:	1592 bp
RefSeq ORF:	843 bp
Locus ID:	64455
UniProt ID:	<u>Q9JKF8</u>
Cytogenetics:	10q22
Gene Summary:	interacts with neuronal NO synthase adaptor protein CAPON and is involved in nitric oxide mediated signaling [RGD, Feb 2006]