

## Product datasheet for **RN202529**

### **Rae1 (NM\_001033708) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rae1 (NM\_001033708) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rae1  
**Synonyms:** MGC124870; MGC125198  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN202529 representing NM\_001033708  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGTCTGTTTGAACAACCTCTGGTTTTGGGACTGGTGGGACCAGCATGTTTGGGAGCACAACCACAG  
ATAACCCATAACCCAATGAAGGATATTGAAGTAACGTCTTCTCCTGATGACAGCATCGTTGTCTGTCTTT  
CAGCCCACCAACCTTACCAGGGAACCTTCTTATTGCAGGATCGTGGGCTAATGATGTTTCGCTGCTGGGAA  
GTGCAAGACAGCGGGCAAACCATTCCAAAGGCCAGCAAATGCATACCGGGCCAGTGCTTGTATGTCTGCT  
GGAGTGACGATGGGAGCAAAGTGTTCACAGCATCGTGTGACAAGACAGCCAAGATGTGGGACCTGAACAG  
CAACCAGGCCATTAGATAGCACAGCAGCATGCTCCCGTTAAGACCATACATTGGATCAAAGCCCCAAAC  
TACAGCTGCGTGATGACCGGGAGCTGGGATAAGACCCTGAAGTTTTGGGATACCGGTCGTCAAATCCTA  
TGATGGTCTGCAGCTCCCTGAGCGCTGTTACTGTGCAGATGTGATCTATCCGATGGCTGTGGTGGCCAC  
TGCAGAAAGGGGCTGATTGTGTACCAGTTGGAGAACCAGCCCTCTGAGTTCAGGAGGATAGAGTCTCCA  
CTGAAGCACCAGCATCGGTGTGGCTATCTTTAAAGACAAACAGCAAGCAAGCCAAACGGGTTTTGCTCTTG  
GGAGATTGAGGGGAGAGTGGCCATTCACATCAACCCTCAAATCCGGCCAAAGATAACTTCACCTT  
CAAATGCCATCGATCCAACGGTACCAACACTTCTGCTCCTCAAGACATCTATGCAGTGAACGGCATCGCC  
TTCCACCTGTCCATGGCACCCCTGGCCACTGTGGGGTCCGACGGCCGGTTCAGCTTCTGGGACAAAGATG  
CCAGGACAAAGCTGAAGACCTCAGAGCAGCTGGACCAGCCGTGGCAGCGTGTGGCTTCAACCACAACGG  
GAACATATTTGCCTATGCCTCCAGCTACGACTGGTCCAAGGGGCATGAGTTTTATAATCCCCAAAAGAAA  
AATTACATTTTCTGCGTAAATGCAGCTGAAGAGCTAAAGCCAAGAATAAAAAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001033708



[View online »](#)

<b>Insert Size:</b>	1107 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001033708.1, NP_001028880.1</u>
<b>RefSeq Size:</b>	1565 bp
<b>RefSeq ORF:</b>	1107 bp
<b>Locus ID:</b>	362281
<b>UniProt ID:</b>	<u>Q3SWS8</u>
<b>Cytogenetics:</b>	3q42
<b>Gene Summary:</b>	Plays a role in mitotic bipolar spindle formation. Binds mRNA. May function in nucleocytoplasmic transport and in directly or indirectly attaching cytoplasmic mRNPs to the cytoskeleton.[UniProtKB/Swiss-Prot Function]