

## Product datasheet for MC202408

### Rae1 (NM\_175112) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rae1 (NM\_175112) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rae1  
**Synonyms:** 323040112Rik; D2Ertd342e; MNRP; MNRP41  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC059051 sequence for NM\_175112  
CGACTCGGCGGTCTGGGTCCTCCCGCTCGGCCCTCTGCCCGCGCCAGAGCAGGTCCGTGGCTTCGG  
GCCCGCGCGTGCCTCCTCAGGCGCCCGCGCTCCCTCCGGGAAGCCCGGCCCGGTGAGGAG  
ACCGAGCCCTCTCTGCAGCCGACCCCGTGCCTCCGCTAGCCAACATGAGTCTGTTTGGATCAACCTC  
TGGATTTGGGACTGGTGGACCAGCATGTTGGGAGCACAAACCACAGATAACCACAATCCAATGAAGGAT  
ATCGAAGTGACATCTTCTCCTGATGACAGCATCGTTGTCTGTCTTTAGCCCGCAACTTTACCAGGCA  
ACTTCTTATTGCAGGATCATGGCGAATGATGTTGCTGCTGGGAAAGTGCAGGACAGTGGGCAAACCAT  
TCCAAAGGCCAGCAGATGCACACGGGGCCAGTCTTGACGTCTGCTGGAGTGATGATGGAGCAAAGTA  
TTCACAGCATCGTGTGACAAGACAGCCAAGATGTGGGACCTGAACAGCAACCAGGCCATTAGATAGCAC  
AGCATGATGCTCCTGTTAAGACCATAACATTGGATCAAAGCCCAAACTACAGCTGTGTGATGACCGGGAG  
CTGGGATAAGACTCTGAAGTTCTGGGATACGCGGTCTCAAATCCTATGATGGTCTTGCAACTCCCTGAA  
CGCTGTTACTGTGAGATGTGATATACCGATGGCTGTGGTAGCCACTGCAGAGAGGGGCCCTGATTGTCT  
ATCAGCTGGAGAACCAGCCCTCTGAGTTCAGGAGAATCGAGTCTCCCTGAAGCACCAGCATCGGTGTGT  
GGCTATTTTTAAAGACAAACAGAAACAAGCCGACTGGGTTTGTCTGGGACGATTGAGGGGAGAGTTGCC  
ATTCACATACATCAACCCTCCAAATCCGGCCAAAGATAACTTACCTTCAAATGCCATCGATCCAACGGTA  
CCAACACTTCGGCTCCTCAAGACATCTATGCAGTGAATGGGATTGCCTCCATCCTGTCCATGGTACCCT  
TGCCACTGTGGGCTCCGATGGTAGGTTAGCTTCTGGGACAAAGATGCCAGGACCAAACTAAAGACTTCG  
GAACAGTTAGATCAGCCCATCGCAGCTTGTCTCAATCACAATGAAACATATTTGCCTATGCTTCCA  
GCTACGACTGGTCCAAGGGACATGAGTTTTATAATCCCCAAAAGAAAATTACATTTTCTTGCCTAATGC  
AGCTGAAGAGCTAAAGCCAAGGAATAAGAAATAGTGGCCTGAAGCTGGGACTGTTGGAGTTTCATCTCCT  
CTCTGCCCAAACTTGGGCTCAAGCCCTCGTGGCCACAGCCCTGGCCATGGGTGCCACTCCTGGAGGG  
ACTGTTCTTGTGAGCATCAGCACAGCATCCTGGCGACTTGGCTCTCTCCATTAGCTCCCTGCTGCGG  
TTTTCTGAAACTGAGATTCTCAACTGGAGTCAGATCTTGGGGCACTGTGTCCAGCAGTGTGATTTGA  
CAGTGTGGGTGGGAAGTGTGGTGGCCCTGTGTGTGTTTTATAATAAAATATTTTGAAGAAAAAAA AAAAAAAAAAAAAA

**Restriction Sites:** AscI-NotI



[View online »](#)

<b>ACCN:</b>	NM_175112
<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>	<a href="#">BC059051</a> , <a href="#">AAH59051</a>
<b>RefSeq Size:</b>	1625 bp
<b>RefSeq ORF:</b>	1107 bp
<b>Locus ID:</b>	66679
<b>UniProt ID:</b>	<a href="#">Q8C570</a>
<b>Cytogenetics:</b>	2 95.66 cM
<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]