

## Product datasheet for **RN217706**

### Rai1 (NM\_001271207) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rai1 (NM_001271207) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rai1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217706 representing NM_001271207 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGTCTTTTCGAGAAAGGTGTGGTTTCCATGGCAAACAGCAAACTACCCACAGACCTCACAGGAGA  
CATCGGTCTGGAGAACTACAGGCAGCCGGTCAAGCTGTGATCGACAGCGGCTGCTGGC  
CAAGGACTATTACAACCTCAGCCCTATACAGGCTATGAGGGCGGCACTGGTACACCTGCAGGCACAGTG  
GCCACAGCAGCTGCAGACAAGTACCACCGAGGCAACAAGTCCCTGCAGGGGAGGCCAGCTTTCCCCAGT  
ATGTTCAAGACAGCAGCCCTACCCAGGGCGCTACTCTGGTGAGGAGGGGCTTCAGACCTGGGGCAGCCC  
ACAGCCACCACCTCCGCAGCCACAGCCTCTGCCAGGGGCACTGAGCAAGTACGAGGAGAACCTTGATGAAG  
AAGACAGTGGTGCCTCCAAACAGGCAGTACCCTGAGCAGGGCCCCAACTTCCCTTCCGGACTCACGGCC  
TGCATGTCCCACCACCGCAGCCTCAGCAGCCCCTGGCTTACCCCAAACCTCAAAGGCAGAAACCACAGAA  
TGACCTTGCCTCCCCTCTGCCCTTCCCCAGGGCAGCCACTTTCCCAGCATTCCAGTCCCTTCCCTACC  
TCCTCCACTTATGCCCAAACAGTGCAGGGTGGTGGGCAGGGGGCCACTCATAAAGAGCTGCACAGCAC  
CATCTGCCAGCCTCATGACAGGCCGATGAGTGCCAATGCGAGCCTGGCTCCAGGGCAACGGGTCCAGAA  
TCTTACGCTTACCAGCCGGGCCCTTGGCTATGAGCAGCAGCAGCAAGCACTTCAAGGCCGGCACCAC  
ACCCAGGAAACACTCCACTACCAGAACCTCGCCAAGTACCAACACTATGGACAGCAAGGCCAGGGCTACT  
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CCCTGCACGCTCCGTGGGTGCTCCCTTCCCTACAGCTCCACCCCGTCACTGATGCCAATCTGGAG  
AACTTCCCTTATAGCCAGCAGCCGCTTAGTACTGGGGCCTTCCCCACAGGCATCAGACACCAGCCACT  
TTATGCCCTGTCAACCCGTCCCAACAGATGCTGCCAGCTCTGTGGACCCCAAGTCAAGCACTGCAA  
GCCCTGCAAAAGGAGAAGCTTCTGACAACTTGTGTGATCTCAGCCTGCAGAGTCTCACAGCGCTC  
ACCTCACAGGTAGAAAACATCTCCAATACTGTGCAACAGCTCTTGTGTCCAAGCTACCATACCACAGA  
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CATGCTGAACCACAAGACTGACTACCTGAGTGGCTCTGAGGACCCACTAGAGCCGAGTCTCCTACT  
GCAGCCAGGCCCGGGCAGTCTGCCAGAGTCAACAGCAACTCTAAGGCCAAGCCTGAGTCTGTGTCCAC



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CTGTTCTGTGACCTCACCTGATGACATGTCCACCAAGTCTGACGACTCTTCCAGAGCCTGCACAGTACT  
 CTGCCACTGGATAGCTTCTCAAATTTGTGGCAGGCGAGCGGGACTGTCCACGGCTGCTGCTCAGTGCC  
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 TAACACGCCCGCCGTACCCGAGGGACCCATTGCGAAGAAAGAGCCTGTGCCACGGGGTAAAAGTTTACGG  
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 GGACTCCAGGCCTGACTACCACCCACACACTCCTGACAACTGGGAGGAAAACAGCAGCAGTCTTCA  
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 TGTTCCTCAGACAGCAGCCCCATGGGCTCCAAAACCAAGGAGCCAGACTCTCCGGCATGCCTGGCAAG  
 GACCAGCGGTCCATGGTCTCCGGTCTCGCACCAAAACCCAGCAGGTCTTCCATGCCAAACGGCGGCGGC  
 CCTCAGAGAGCAGGATCCAGACTGCCGTCCCACCAAGAAGCCCTGCTAACAACCATTTACCACTGC  
 ATTCAGGTCTCCAGTGGGCCCCAGAAGGAAGTGGATGAGCCAGCGGGGCAAAGTACCAAGCCCGGT  
 ACAGGGAGCAAGCTTTCAGATAGGCCTCTCCACACTCAAAGGAAGTCAAGTTCATGGCACCTGTCC  
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 GATCACCTCACCTGGTCTCAAGAACTTGCATGCAGAGTGGCAGGGGCCCTCCTGGGACACCCGGAGC  
 CCTGCCCTACCTGAGAAACGTTCAAGGGGAGTCCAGCTGGGGCAGAAAGGGGTGTAGGAGGAATGGGTG  
 CAGGGCAAATGCTACCAGCAGCTTCGGGAGTGACCCATTGTGCAGAAACCCAGCCAGCAGCAGGTCCCT  
 AAAAGGTAACCTTTGAATAGTAAGAAGCTGTCTCTGCTGCTGACTGCCCAAAGCTGAGGCCTCATG  
 TCCCGGAGACCCCTCCATCCCTAGGACTGCCCGGCACCGAAGAAAAGGAGCCGAAAGGCAGGACTG  
 GGCCTTGGGACCCTCAAAGGTCCATTGGAGAAGCGGCCCTGTCTGGCCAAGCTGTATCCTCGTCC  
 CCACGACAGGGCCAGCAGCACTCAGGGCGAGGTGAGGACAACCTCAGTGGAGGAGGCAAGAAGCCAAAG  
 ACAGAGGAGCTGGGACTGGCCTCCAGCCCCAGAAAGGCCGCGCCCTGCCAGCCCCAGACAAGGGCACAGA  
 AGCAGCCAGGCCAAGCCAGCTATAGCAGTATTCAAAGCGGAAGCGCCTCAGCCGTGGCCGAGGAAAGGC  
 CACCCATGCTTACCCTGTAAAGGCCGTGCCACTCGGAGAAGGCAGCAGCAGGACTGCCCTGGATCCT  
 GCAGAGCCTGAAATCCGACTCAAATACATTTCTTCTTGAAGAGGCTGAGGGCAGACAGCCGACCCAG  
 CCTTCTCGCCCTTGTGCGGGTGGAGAAGCGAGATGCATACACCACCATATGCAGTGTGTCAACTCCCC  
 AGGGGATGAGCCGAAGCCTCACTGGAAGCCATCCTCTGTTGCCTCCTCTCCACCTCCTCCTCAGAACCA  
 GCTGGGGTCTCTGACCACATTCCTGGAGGCTCTGTGCTACAGCTGAGGCCCTCCTGCCCTCTCCT  
 CCACCATGCATCTGGGGCCGGTGGTGTCCAAGGCCCTAAGTACCTTGTCTGTCTGCTGCTCTGCCA  
 AAACCCGGCCAATTTCAAGGACCTTGGGACCTCTGTGGTCCCTACTACCTGAACACTGCCTCCAAAAA  
 AAGAAGCCAAAACCTCAAGGAGAAGGTACGGCTGGAGGGCACCTTGGAGGAGGCCTCTCTGCCTCTGGAGA  
 GAACACTCAAAGGCCTGGAATGTGCAGCCAGCACCGGCTGCCACCCCTACCACAACCACCATCACTAC  
 CACCACAACCTGGGAGGCTGTCCAGGCTGATGGCCAGCCGACCCTGCCAAGCAGGGTTCCTGCGC

ACCAGTGCCCGGGCCTGTCAAGGCGGCTGCAGAGTTGCTATTGCTGTGATGGTCAGGGGACGGGGTG  
 AGGAGTGGCCCCAGCTGACAAGAGCCGCAAACATGAATGCAGCAAAGAGGCCCTGCAGAACCTGGTGG  
 GGACACCAAGAGCACTGGGTACATGAGGCCTGTGCTGTGTGGACCAGCGGGGTGTACCTGGTGGCCGGG  
 AAGCTCTTGGGCTGCAGGAGCCATGAAAGTAGCTGTGGACATGCCATGTACCAGCTGTCATGAGTCCG  
 GAGCAACCATCTCGTGCTCTATGAAGGCTGCACCCACACCTACCACTACCCATGTCCAATGACACAGG  
 TTGCACGTTCAATTGAGGAGAATTTACTTTGAAGTGCCCCAAACATAAGAGGCTGCCGTTG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001271207
- Insert Size:** 5664 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\\_001271207.1](#), [NP\\_001258136.1](#)
- RefSeq Size:** 7600 bp
- RefSeq ORF:** 5664 bp
- Locus ID:** 303188
- Cytogenetics:** 10q22