

## Product datasheet for **RN205800**

### **Ag rn (NM\_175754) Rat Untagged Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Ag rn (NM\_175754) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Ag rn  
 Synonyms: AGR  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN205800 representing NM\_175754  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTCCTCTGCCACTGGAACACAGACCCAGGCAGGAGCCTGGTGCCTCCATGCTGGTTCGATACTTCA  
 TGATCCCCTGCAACATCTGCTTGATCCTGTTGGCCACTCCACATTGGGCTTTGCGGTTCTGCTTTTCT  
 CAGCAACTACAACTGGAATCCACTTCACACCAGCGCCTCTACGCCTCCTGATGTATGCAGGGGAATG  
 TTATGTGGCTTTGGTGTGTGTGAACCTAGTGTGAGGATCCAGGCCGTGCCTCCTGTGTGTGCAAGA  
 AGAATGCTTGCCCTGCTACGGTGGCTCCTGTGTGTGGCTCAGATGCCTCCACCTATAGCAACGAGTGTGA  
 GCTGCAGCGCGCAGTGAACAGCAACGGCGCATCCGCTGCTTCGCCAAGGGCCATGTGGTCCCGG  
 GACCCCTGTGCCAACGTGACCTGCACTTTCGGTAGTACCTGTGTACCTTCGGCTGACGGACAGACTGCCT  
 CATGTCTGTGCTTACAACCTGCTTCGGGGCCCTGATGGCACAGTGTGTGGCAGTGACGGTGTGACTA  
 CCCTAGTGAATGCCAGCTGCTTAGTCAATGCCTGTGCCAGCCAGGAGCACATCTTCAAGAAGTTCAATGGT  
 CCTTGTGATCCCTGCCAGGGCAGCATGTCAGACCTGAACCACATTTGCCGTGTGAACCCAGTACACGGC  
 ACCCAGAAATGCTTCTGCGGCCGTGAGAAGTCCCTGCCAGCACACGCCTATCTGTGGAGATGATGGGGT  
 CACCTATGAAAACGACTGTGTCATGAGCCGTATAGGTGCAACCCGTGGCCTGCTTCTCCAGAAAGTACGC  
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 TGGGCACACATAACAATGACTGTTGGCGCAACAGGCTGAGTGTGACAACAGCGGGCCATTCTCCC  
 AAGCACCAGGGCCGTGTGACCAGACCCCTCCCCATGCCATGGAGTGAATGTGCATTTGGGGCAGTAT  
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 AAAGTGGACGCTGTGTGCCCCCTGAGTGTGTGGAGTCAAGCCAGCCGTATGCGGTTCTGATGGACA  
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 GCTGGACTGCCAGACCTGTGGAGAAAAGTTTGTACTTTTGGGGCTGTGTGCTCAGCTGGACAGTGTG



TATGTCCCGTTGTGAGCACCTCCACCTGGCCCTGTGTGTGGCAGTGATGGTGTACCTACCTCAGTGC  
CTGTGAGCTACGCGAAGCTGCCTGTGAGCAGCAGGTACAAATTGAGGAGGCCATGCAGGGCCATGTGAG  
CCGGCTGAGTGTGGCTCAGGGGGCTCTGGTTCTGGGGAGGACGACGAGTGTGAACAGGAGCTATGCCGGC  
AGCGTGGTGGTATCTGGGACGAGGACTCAGAAGATGGCCATGTGTCTGTGACTTTAGCTGCCAGAGTGT  
CCCTAGAAGCCCAGTGTGTGGCTCGGATGGAGTACCTATGGCACCGAGTGTGATCTGAAGAAGGCCAGG  
TGCGAATCACAGCAAGAACTGTACGTTGCTGCTCAGGGAGCCTGCCGTGGCCCTACCTGGCTCCACTGC  
TACCTGTGGCCTTCCCACACTGTGCCAAACCCCTATGGCTGCTGCCAGGACAATTTCACTGCTGCCA  
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CAAGACGCTGCCATTTCCCAACAACAGCCTTCCCTGTCTCCCGCAGTACTACCCATGATTGGCCACC  
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CCAGGATCTGGCAAGGGTTTCACTGACGCTGTACTGACAGGAGGGGTGGCTCTGTCTGTGAGAAAGTA  
CAACCCCTCCATGCCAGCTTTAAGGGCCACTCCTTCTTGGCCTTCCCAACCTCCGAGCCTACCACA  
CACTGCGCCTAGCACTGGAATCCGGGGCTTGGAGACAGAGGGACTGCTACTCTACAATGGAATGCACG  
TGGCAAAGATTTCTGGCTCTGGCTCTGTTGGATGGGCGTGTGCAAGTTCAGGTTTGACACAGGCTCAGGG  
CCAGCAGTGTAAACGAGCTTAGTGCCAGTGAACAGGACGGTGGCACCCCTCGAGTTGTACGGCATT  
GGCGTCAGGGCACACTTCTGTGGATGGCGAGACTCCTGTTGTAGGTGAAAGTCCAGTGGCACCCGATGG  
CCTCAACTTGGACACGAACCTCTATGTGGTGGTATCCCAAGAAGAACAAGTTGCCATGGTCTTGATCGG  
ACCTCTGTGGCGTTGGCCTGAAAGGATGCATTTCGTATGCTGGATATCAACAATCAGCAGCTGGAGCTTA  
GCGACTGGCAGAGGGCTGCGGTTCAAAGCTCTGGTGTGGGAGAATGTGGAGACCATCCGTGCTTACCTAA  
CCCCTGCCATGGTGGGGCCTATGCCAGGCACTGGAGGCTGGCATGTTCTCTGTGAGTCCCGCCTGGC  
CGCTTTGGCCAACTTGTGAGATGAAAAGAGCCCTGCCAGCCGAACCCCTGCCATGGGGCAGCCCTT  
GTCGTGTGCTTTCCAGCGGTGGGGCCAAGTGCAGTGGCCCTGGGACGCAAGTACCTTCTGTGAGAC  
AGTCTGGAGACTGTGGCTCCCGGCCCTTCTGGCTGACTTTAATGGCTTCTCTACCTGGAAGTGA  
GGCTTGCACACCTTCGAGAGAGACCTAGGGGAGAAGATGGCGTGGAGATGGTGTCTTGGCTCGTGGC  
CCAGTGGCTTACTCCTACAATGGCAGAAGACAGATGGCAAGGGGGACTTTGTATCCCTGGCCCTGCA  
TAACCGGCACCTAGAGTCTGCTATGACCTTGGCAAGGGGGCTGCAGTCATCAGGAGCAAAGAGCCATA  
GCCCTGGGAACCTGGGTGAGGATTCCTGGAACGAAATGGCCGCAAGGGTGCCTTCAAGTGGGTGATG  
GTCCCGTGTGCTAGGGGAATCTCCGAAATCCCGCAAGGTTCCGACACCATGCTCAACCTCAAGGAGCC  
TCTCTATATTGGGGGAGCTCCTGACTTACGAAGCTGGCCAGGGGGGCTGCAGTGTCTCTGGCTCAGT  
GGTGTATCCAGCTGGTGTCTTAAGAGGCCATCAACTGCTGACTCAGGAGCATGTGTTGCGGGCAGTAG  
ATGTCTCACCTTTTGCAGACCACCTTGTACCCAGGCCTTGGCAACCCCTGCCTAATGGGGGCTCGTG

TGTCCCGAGGGAAGCCACTTATGAATGCCTGTGTCTGGGGCTTCTCTGGGCTGCACTGCGAAAAGGGG  
CTAGTTGAGAAGTCAGTGGGGGACCTAGAAACACTGGCCTTTGATGGCGGACCTACATCGAATACCTCA  
ATGCTGTGATTGAGAGTGAGAAGGCACTGCAGAGCAACCACTTTGAACTGAGCTTACGCACTGAGGCCAC  
TCAGGGGCTGGTGTGGATTGGCAAGGCTGCAGAACGTGCAGATTACATGGCCCTGGCCATCGTGGAC  
GGGCACCTGCACTGAGCTATGACCTAGGTTCCAGCCAGTTGTGCTGCGCTCCACTGTGAAGGTCAACA  
CCAACCGCTGGCTTCGAATCAGGGCTCACAGGGAGCACAGGGAAGGTTCCCTTCAGTGGCAATGAAGC  
CCCTGTGACTGGATCTTCCCATTTGGGTGCCACGCAACTGGACACAGATGGAGCCCTGTGGCTTGGAGGC  
CTGCAGAAGCTTCTGTGGGGCAGGCTCTACCCAAGGCCATGGCACAGTTTTGTGGGCTGTCTGCGGG  
ACGTGGTAGTGGGCCATCGCCAGTTGCATCTGCTGGAGGACGCTGTCACCAAACCAGAGCTAAGACCCCTG  
CCCCACTCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-MluI
<b>ACCN:</b>	NM_175754
<b>Insert Size:</b>	5823 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="#">NM_175754.1</a> , <a href="#">NP_786930.1</a>
<b>RefSeq Size:</b>	7286 bp
<b>RefSeq ORF:</b>	5823 bp
<b>Locus ID:</b>	25592
<b>UniProt ID:</b>	<a href="#">P25304</a>
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	may play a role in synapse development and regeneration [RGD, Feb 2006]