

## Product datasheet for **RN208500**

### Otx1 (NM\_013109) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Otx1 (NM\_013109) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Otx1  
**Synonyms:** OTX1X  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN208500 representing NM\_013109  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATGTCTTACCTCAAACAACCCCATACGGCATGAACGGGCTGGCCCTAGCTGGCCCTGCCATGGACC  
TCCTGCACCCTTCGGTGGGCTACCCTGCCACCCCGCGGAAGCAGCGACGGAGCGCACCCACCTTCACGCG  
CTCACAGCTGGAGTGCTCGAGGCGCTGTTCCGAAAGACTCGCTACCCAGACATCTTCATGCGCGAGGAG  
GTGGCTCTCAAGATCAACCTGCCCGAGTCCAGAGTCCAGGTTTGGTTCAAGAACCGCCGAGCCAAGTGCC  
GCCAGCAGCAGCAGAGCGGGAATGGAACGAAAAGCCGGCCGGTCAAGAAGAAGTCGTCTCCGGTGCGCGA  
GAGCTCGGGTTCCGAGAGCAGCGGCCAGTTCACGCCGCCCGCCGTATCTAGCTCTGCGTCTTCGTCTAGC  
TCAGCGTCCAGTGCCCTCCGCTAACCCGGCGGCTGCTGCGGCCCGGGCCTGGGTGGGAACCCGGTGGCAG  
CCGCGTCTCTCTGAGCACGCCTACTGCTTCGTCCATCTGGAGCCCGGCCTCCATCTCTCCCGGCTCAGC  
GCCGGCATCCGTATCAGTGCCAGAGCCATTAGGCGCTCCGAGCAACGCCCTCATGCATGCAGCGCTCGGTA  
GCCGAGGTGCGGCCACTGCCGCGACCTCCTACCCTATGTCCTATGGCCAGGGCAGAAGCTATGGCCAGG  
GCTACCCCGGCCTTCTCTTACTTTGGCGGTGACTGCAGCTCCTACCTTGGCCCATGCACTC  
TCATCACCAACCCGACCACTTAGCCCATGGCACCCCTCCTCCATGGCTGGCCACCACCACCACCCCG  
CACGCGCACCACTGAGCCAATCTTCAGGCCACCACCACCACCACCATCACCAACCACCACCACCAAG  
GTTATGGAGGCTCTGGGCTCGCCTTCAACTCTGCCGACTGCTTGGATTACAAGGAGCCCGCCGCCCGC  
TGCTTCTCTGCTGGAACTCAACTTCAACTCTCCCGACTGTCTGGACTATAAGGACCAAGCCTCATGG  
CGGTTCCAGGCTTGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_013109



<b>Insert Size:</b>	1068 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_013109.2, NP_037241.1</u>
<b>RefSeq Size:</b>	1229 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	25646
<b>UniProt ID:</b>	<u>Q63410</u>
<b>Cytogenetics:</b>	14q22
<b>Gene Summary:</b>	homeodomain transcription factor protein; involved in cerebral cortex development [RGD, Feb 2006]