

## Product datasheet for **MC202699**

### Otx1 (NM\_011023) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Otx1 (NM_011023) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Otx1
Synonyms:	A730044F23Rik; j; jv
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC057105 sequence for NM\_011023  
 GCCACTCCGACAAGGTTGGCTGCCGGCAGTCTCGGTGAAGGCGAGAGGTAGATGGTGAAAAGCCGCGAC  
 TGGCGAGGGCAGGCCAGGCCCCAGCAAGCAACAGCTTGAAGGACTTCGCAGTGGGAGCCCTGAACTGCTC  
 CTGGCCTCAGGCCCTGGATCCGTGCGGGCACCTCCACCCGGCTGTTAGCATGATGTCTTACCTCAAAC  
 AACCCCATACGGCATGAACGGGCTGGGCTAGCTGGCCCTGCCATGGACCTCTGCACCCCTCCGTGGG  
 CTACCTTGCCACCCCGGAAGCAGCGACGGGAGCGCACCACCTTACGCGCTCACAGCTGGACGTGCTC  
 GAGGCGTGTTCGAAAGACTCGCTACCCAGACATCTTCATGCGCGAGGAGGTGGCACTCAAGATCAACC  
 TGCCAGAGTCCAGAGTCCAGTTTGGTTCAAGAACC GCCCGCCAAGTGCCGCCAGCAGCAGAGCGG  
 GAATGGAACGAAAAACCCGCGGTCAAGAAGAAGTCGTCTCCAGTACGCGAGAGCTCGGGTTCAGAGAGC  
 AGCGGCCAGTTCACGCCGCCGCGTATCTAGCTCTGCTTCTTCGTCTAGCTCAGCGTCCAGTGCCTCCG  
 CCAACCCCGCGGTGCTGCGGCCGCGGGCTGGTGGAAACCCAGTGGCAGCAGCGTCTCTCTGAGCAC  
 GCCTACTGCTTCGTCCATCTGGAGCCCGGCTCCATCTCGCCGGGCTCAGCGCCGACATCCGTATCGGTG  
 CCAGAGCCACTGGCCGCTCCGAGCAACGCCTCGTGCATGCAGCGCTCGGTAGCCGAGGTGCGGCCACTG  
 CCGCAGCCTCTACCTATGTCTATGGCCAGGGCGGAAGCTATGGTCAGGGATACCCCGGCCCTCCTC  
 TTCTTACTTTGGCGGTGAGACTGCAGCTCTACCTAGCGCCATGCACTCTCATACCACCCGACCAG  
 CTTAGCCCATGGCACCTCCTCCATGGCTGGCCATCATACCATCACCTCATGCGCACCCACTGA  
 GCCAATCTTCAGGCCACCACCACCACCATCACCACCACCACCACCACCAAGGTTATGGAGGCTCTGGGCT  
 CGCCTTCAATTCTGCCGATTGCTTGATTACAAGGAGCCCGCCGCGCGCTGCTTCTCTGCTGGAAA  
 CTCAATTTCAACTCTCCCGACTGTCTGGACTATAAGGACCAAGCCTCGTGGCGGTTCCAGGTCTTGAG  
 CCCAGGAGGAAAGGAAGTGGAGAAGAAACGCAACTACCTATACCCTCCATGGTCCCCATCTGTGCTG  
 CTGCTGCACCCCGCCTTTGCCTTGGCTTTTCCAAACTTAATTTTTCAGTCCCCAAAAGATATTCATT  
 GCCTGCACCCCGCTCCCATCTGTGTCCACTTGGTGGGGTGGAGGATGCAGCCCTTCTCCCCCTTGG  
 AGGTGGGCGCGGTGCTCCACTTGGCCCTCGTTTCTTCCGGAATAGCAGTACGCTCTCGCTCAGC  
 TCGTGCCTCACCCCTCAAGTCTTCTGACAGCTTTTATGACCTGGAGCCTTCTGGGGCTCTTCGCTC  
 TGACCCTCTGTTTTGAGCTCAACCGTTTTATTTATTCTTCTGGACACTGAAGTCACTAACTGGCGTATA  
 TCAACCGTTTGGAGTGTGTCCATACATACACTCCTAATCAAACCTCCACTGTTTCTCTAGCAGACT  
 GTCGCCCTTCAGCTGCCCTTGATCTAGCTCCCCACCCGAGGCCGAGCTTCCAGCATTCTGTCTCAC  
 CAGTGGTGAAGTGGGCCAGGCTCGCGGCAGGAGTGTGCCCCAGCCTCCTTTCTACCCTGCGCTGGAC  
 TGATTAAGTTCGCGCTCAGCGGAATGCTGTACATAGTCAGGTCGGTCCAGGGACCACTTAAAGTTT  
 TTAGTTGCTGTTGGTTGAACTGAGCATCTCTTGTGTTTTAGCGTCCAAGAAACAGAACTTAAAAATAT  
 ACATCACATATATATATATATATACACACGCACACACACATATATATAACAGAAGCAAAAAAT  
 TATTTCCCTTTGTTCCGTTCCCTCTCTCCTCAAACGATGGTGGTTCTTATTTTTCAGTATTACAAA  
 CTGTCTGCCCCTTTCACACCTCCCTTTGTGATTTTAAAGAAACCCGCTTGGTTCCAGGAAGCTGGG  
 CGCTAGAGGATCGGAAGTGAAGGAAACAGCTAAGTCAGGATACAGGGGTGCGGGCTAGGCTGGTCAGGGC  
 GCACGACTGACCTTCGCCAGTCAAGCACAGTATCAAAGCTTCCGCTTAGAAACAAACAGACAAACAAA  
 CAAGGTGAAATTACAGCATTGTGAAAGAAAACCAAGCCCGAGTCCAGGTCCAATGTTTCTCTCTCT  
 CT  
 ACCTTCTCTCTCGAAATCTGCGGAGAGTACCTGTGTACCTATCGGTTTTGGTTTTGGCCGCTTGGTTCA  
 GTAGGTGGGAAAGTAATTTGTAATTTGATTTGTCGATGTGAAGATCACAAATTAATGTTGAGATGTA  
 AGGCAGTCCGTCT  
 AAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** NM\_011023  
**Insert Size:** 1068 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).

<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><a href="#">BC057105</a></u> , <u><a href="#">AAH57105</a></u>
<b>RefSeq Size:</b>	2752 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	18423
<b>UniProt ID:</b>	<u><a href="#">P80205</a></u>
<b>Cytogenetics:</b>	11 14.1 cM
<b>Gene Summary:</b>	This gene encodes a member of the bicoid subfamily of the paired homeobox transcription factor family. The encoded protein is critical to the maintenance and regionalization of the forebrain and midbrain during development. It may also have important functions in sense organ development, pituitary function, and in the regulation of blood cell production. [provided by RefSeq, Jul 2008]