

## Product datasheet for **MC221175**

### **Rfx4 (NM\_001024918) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rfx4 (NM_001024918) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rfx4
Synonyms:	4933412G19Rik; NYD-sp10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC221175 representing NM\_001024918  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCATTGTGGTTACTGGAGAACCCGACATGGATTCCACAGAGAGCTGGATTGAAAGATGTCTCAATG  
 AAAGCGAGAATAAACGCTATTCCAGTCACACATCTCTGGGAATGTGTCTAATGATGAAAATGAGGAAAA  
 AGAAAATAACAGAGCATCCAAGCCCCACTCCACGCCGGCCACCCTGCAATGGCTGGAGGAAAATGAG  
 ATTGCTGAGGGCGTCTGCATCCCCCGCAGCGCCCTCTACATGCACTACCTGGATTCTGTGAGAAGAAGC  
 ACCTCAGCCTGTCAATGCTGCCAGCTTTGGGAAGATCATAAGGCAGCAGTTTCTCAGCTAACCACCAG  
 AAGACTCGGGACCCGAGGACAGTCAAAGTACCATTACTATGGCATAGCGGTGAAGGAGAGCTCCCAGTAT  
 TATGATGTGATGACTCAAAGAAAGGAGCTGCCTGGGTGAGCGAGACGGCAAGAGAGAAGTACCAAGC  
 AGACGGTGGCATATTCTCCCGGTCCAAGCTTGGGACATTGCTGCCAGACTTTCAAACGTCAAAGACCT  
 AAATCTGCCAGCCAGTCTTCTGAGGAGAAGGTGTCTACCTTTATATGATGTACAGAACACACTGTCAG  
 AGAATACTGGACTGTAAATAAGAGCCAACTTTGATGAGGTTCAAAGTTTCTTCTGCACCTTTTGGCAAG  
 GGATGCCGCCCCACATGCTGCCCGTGTAGGCTCTCCACGGTGGTGAACATCGTGGGTGTGTGACTC  
 CATCCTCTACAAAGCCATCTCCGGTGTGTGATGCCACGGTGTGCAGGCGTTGCCGGACAGCTTAACT  
 CAGGTGATCCGAAAGTTTGCCAAGCAGCTGGACAGTGGCTGAAAGTGGCTCTCCACGATCTCCGGAAA  
 ACCTGAGAAACATCAAATTTGAATTATCAAGGAGGTTTTCCCAAATCCTAAGGAGGCAAACATCGCTGAA  
 CCATCTGTGCCAGGCATCTGAACGGTATCCACAGTGCAGACATCACGTTCCAGATGCTGGAGGACTGG  
 AGGAATGTGGACCTGAGTAGCATACCAAGCAGACTCTGTATACCATGGAGGACTCTCGGATGAGCACC  
 CGACAGCATCATCCAGTTGTACCAGGAGTTTGACCACCTGCTGGAGGAACAGTCCCCCATCGAGCTTA  
 CATAGAATGGCTGGATACCATGGTAGACCGATGCGTTGTAAAGGTGGCTGCCAAGAGACAAGGGTCTCTG  
 AAGAAAGTAGCCCAACAGTTCCTGCTGATGGTCTTGTCTTGGTACGAGGGTATCCGGGACATGACCT  
 TGCACAGTCCCCCAGCTTCGGGTCTTTTACCTGATTACCTGATGTTGACGACTACGTGCTCTACTT  
 GCTAGAATCTCTGCATTGTGAGGAGCGGCCAACGAGCTCATGCGAGCCATGAAAGGAGAAGGAAGCACT  
 GCAGAAGCCAGGAAGAGATTATCTTGACAGAGGCTACCCACCAACCCCTTACCTGGTCCATCATTTT  
 CTCCAGCAAAGTCTGCCACATCTGTGGAGGTGCCACCTCCCTCTCCCTGTCAGCAACCCATCCCCGA  
 ATACACTGGCCTTAGCACAGCAGGAGCGATGCAGTCATACGTGGTGGTAACATATACAGTAACAAGC  
 GCTGCAGGGTACCGGCTGAGAACTCCCAACAACCTACCCTGTATGAGGAGCACCCATATGCCTTCTCTCT  
 CCGTCACACACAGGATACCACTACTCCACAGAGAGGAGCATGGGTACACGGGAAGCTATAACTACGG  
 GAGCTATGGCAACCAGCATCCTCACCCACTGCAGAACCAGTATCCAGCCTTGCCTCATGACACAGCCATC  
 TCTGGGCTCTCCACTATTTCCCTTACCACAGGAGCTCTGCCAGTACCCTTTCAATAGCCCCACTTCCA  
 GGATGGAACCTTGTGATGAGCAGTACTCCAGGCTGCATCCTACCCAGTGACTCCCCGATGGCCAGA  
 GGTGCCGACTGCCAACGCATGCTACACAAGCCATCTGTGCATCCACGAGGTATGGAACTCTAGTGAC  
 ATGTACACCCCGCTGACCACGCGCAGGAATCTGAGTATGAGCACATGCAACACTTCTCTGGCTTGTCT  
 ACATCAACGGAGAGGCCCTCCACTGGATGGGCTAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001024918  
**Insert Size:** 2208 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="#">NM_001024918.1</a></u> , <u><a href="#">NP_001020089.1</a></u>
<b>RefSeq Size:</b>	3940 bp
<b>RefSeq ORF:</b>	2208 bp
<b>Locus ID:</b>	71137
<b>UniProt ID:</b>	<u><a href="#">Q7TNK1</a></u>
<b>Cytogenetics:</b>	10 C1
<b>Gene Summary:</b>	Isoform 1: Transcription factor that plays a role in early brain development. May activate transcription by interacting directly with the X-box. May activate transcription from CX3CL1 promoter through the X-box during brain development.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).