

Product datasheet for **MC220010**

Rfx4 (NM_027689) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rfx4 (NM_027689) 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: >MC220010 representing NM_027689
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGTGGGCTGCCTTCGGAGGCGCTGAGTTCTTCATCCAGGAGGCATGAAGATGGAGGCAAGCTGCC
 CACTGGGCAGAAATTTACAGAATGGTACCATTACTATGGCATAGCGGTGAAGGAGAGCTCCAGTATTA
 TGATGTGATGTAATAAGAGGAGGAGCTGCCTGGGTGAGCGAGACGGCAAGAGAGAAGTACCAAGCAG
 ACGGTGGCATATTCTCCCGGTCCAAGCTTGGGACATTGCTGCCAGACTTCCAAACGTCAAAGACCTAA
 ATCTGCCAGCCAGTCTTCTGAGGAGAAGGTGTCTACCTTTATTATGATGTACAGAACACACTGTCAGAG
 AATACTGGACACTGTAATAAGAGCCAACCTTTGATGAGGTTCAAAGTTTCTTCTGCACTTTTGGCAAGGG
 ATGCCGCCACATGCTGCCGTGCTAGGCTCCTCCACGGTGGTGAACATCGTGGGTGTGTGACTCCA
 TCCTCTACAAAGCCATCTCCGGTGTGTTGATGCCACGGTGTGCAGGCGTTGCCGGACAGCTTAACTCA
 GGTGATCCGAAAGTTTGCAAGCAGCTGGACGAGTGGCTGAAAGTGGCTCTCCACGATCTCCGGAAAAC
 CTGAGAAAACATCAAATTTGAATTATCAAGGAGGTTTTCCCAAATCCTAAGGAGGCAAAACATCGTGAACC
 ATCTGTGCCAGGCATCTCGAACGGTGTCCACAGTGCAGACATCACGTTCCAGATGCTGGAGGACTGGAG
 GAATGTGGACCTGAGTAGCATCACCAAGCAGACTCTGTATACCATGGAGGACTCTCGGGATGAGCACCGC
 AGACTCATCATCCAGTTGTACCAGGAGTTTGACCACCTGCTGGAGGAACAGTCCCCATCGAGTCTTACA
 TAGAATGGCTGGATACCATGGTAGACCGATGCGTTGTAAGGTGGCTGCCAAGAGACAAGGGTCTCTGAA
 GAAAGTAGCCCAACAGTTCCTGCTGATGTGGTCTTGTCTTGGTACGAGGGTATCCGGGACATGACCTTG
 CACAGTGCCCCAGCTTCGGGTCTTTTACCTGATTCACCTGATGTTTCGACGACTACGTGCTCTACTTGC
 TAGAATCTCTGCATTGTCAGGAGCGGGCAACGAGCTCATGCGAGCCATGAAAGGAGAAGGAAGCAGCTGC
 AGAAGCCAGGAAGAGATTATCTTGACAGAGGCTACCCACCAACCCCTTACCTGGTCCATATTTTCT
 CCAGCAAAGTCTGCCACATCTGTGGAGGTGCCACCTCCCTCCTCCCTGTGAGCAACCCATCCCCGAAT
 AACTGGCCTTAGCACAGCAGGAGCGATGCAGTATACGTGGTTCGCTAACATATACAGTAACAACGGC
 TGCAGGGTCAACGGCTGAGAATCCCAACAACCTACCTGTATGAGGAGCACCCATATGCCTTCTTCTCC
 GTCACACACAGGATACCAGTCTACTCCACAGAGAGGAGCATGGGTACACGGGAAGCTATAACTACGGGA
 GCTATGGCAACCAGCATCTCACCCTGCAGAACAGTATCCAGCCTTGCCTCATGACACAGCCATCTC
 TGGCCTCTCCACTATCCCTTACCACAGGAGCTCTGCCAGTACCCTTCAATAGCCCCACTTCCAGG
 ATGGAACCTTGTGATGAGCAGTACTCCAGGCTGCATCCTACCCAGTACTCCCGATGGCCAGAGG
 TGCCGACTGCCAACGCATGCTACACAAGCCATCTGTGATTCCACGAGGTATGGAAACTCTAGTGACAT
 GTACACCCGCTGACCACGCGCAGGAATTCTGAGTATGAGCACATGCAACACTTCTGGCTTTGCTTAC
 ATCAACGGAGAGGCTCCACTGGATGGGTAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_027689
- Insert Size:** 1926 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).
- 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_027689.3](#), [NP_081965.2](#)

RefSeq Size: 3274 bp

RefSeq ORF: 1926 bp

Locus ID: 71137

UniProt ID: [Q7TNK1](#)

Cytogenetics: 10 C1

Gene Summary: 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 (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.