

Product datasheet for **MR222113**

Rfx4 (NM_027689) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rfx4 (NM_027689) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rfx4
Synonyms:	4933412G19Rik; NYD-sp10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>MR222113 representing NM_027689
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGTGGGCTGCCTTCGGAGGCGCTGAGTTCTTCATCCAGGAGGCATGAAGATGGAGGCAAGCTGCC
CACTGGGCAGAAATTTACAGAATGGTACCATTACTATGGCATAGCGGTGAAGGAGAGCTCCAGTATTA
TGATGTGATGTAATAAGAGGAGGAGCTGCCTGGGTGAGCGAGACGGCAAGAGAGAAGTACCAAGCAG
ACGGTGGCATATTCTCCCGGTCCAAGCTTGGGACATTGCTGCCAGACTTCCAAACGTCAAAGACCTAA
ATCTGCCAGCCAGTCTTCTGAGGAGAAGGTGTCTACCTTTATTATGATGTACAGAACACACTGTGAGAG
AATACTGGACACTGTAATAAGAGCCAACCTTTGATGAGGTTCAAAGTTTCTTCTGCACTTTTGGCAAGGG
ATGCCGCCACATGCTGCCGTGCTAGGCTCCTCCACGGTGGTGAACATCGTGGGTGTGTGACTCCA
TCCTCTACAAAGCCATCTCCGGTGTGTTGATGCCACGGTGTGAGGCGTTGCCGGACAGCTTAACTCA
GGTGATCCGAAAGTTTGCAAGCAGCTGGACGAGTGGCTGAAAGTGGCTCTCCACGATCTCCGGAAAAC
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CACAGTGGCCAGCTTCGGGTCTTTTACCTGATTCACCTGATGTTGACGACTACGTGCTCTACTTGC
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GTCACACACAGGATACCAGTCTACTCCACAGAGAGGAGCATGGGTACACGGGAAGCTATAACTACGGGA
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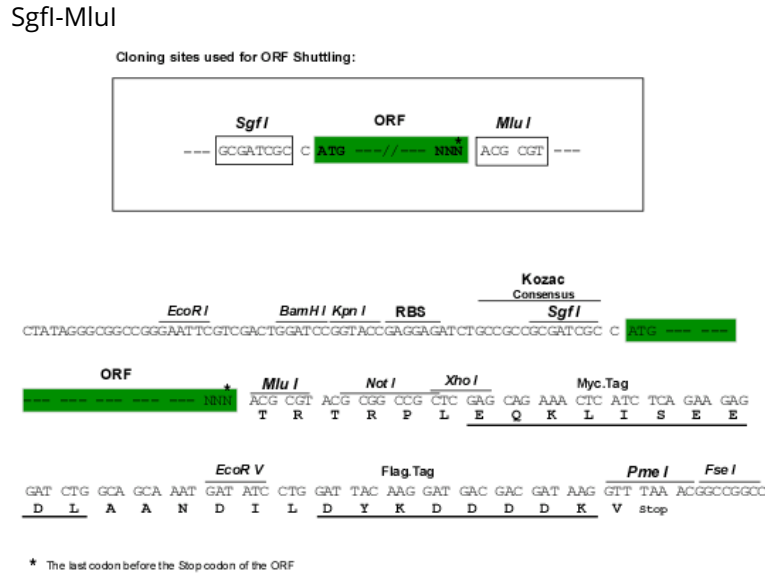
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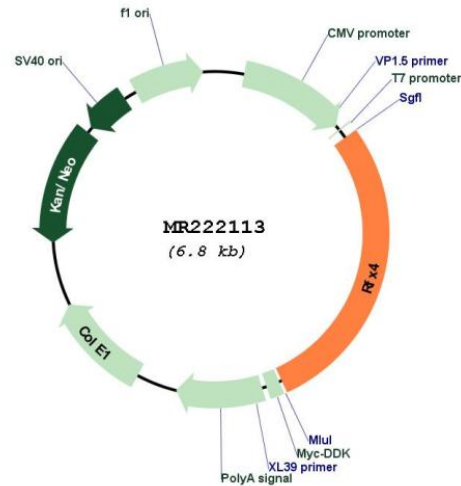
Protein Sequence: >MR222113 representing NM_027689
 Red=Cloning site Green=Tags(s)

MNWAFFGGPEFFIPGGMKMEASCPLGRNFTEWYHYGIAVKESSQYYDVMYSKKGAAWVSETGKREVTKQ
 TVAYSRSKLGTLPLPDFPNVKDLNLPASLPEEKVSTFIMMYRTHCQRILDTVIRANFDEVQSFLHFHQG
 MPPHMLPVLGSSTVVNI VGVCD SILYKAI SGVLMPTVLQALPDSL TQVIRKFAKQLDEWLKVALHDL PEN
 LRNIKFELSRRF S QILRRQ TSLNHL CQASRTVIHSADITFQMLEDRNVDLSSITKQTL YTMEDSRDEHR
 RLIIQLYQEFDHLL EEQSPIESYIEWLDTMVDR CVVKVAAKRQGS LKKVAQQFLLMWSCFTRVIRDMTL
 HSAPSGSFHLIHL MFDYVLYLLESLHCQERANELMRAMK GEGSTAEAEQEEIILTEATPPTSPGPSFS
 PAKSATSVEVPPPSPVSNPSPEY TGLSTAGAMQSYTWSLTYTVTTAAGSPAENSQQLPCRSTHMPSSS
 VTHRIPVYSHREEHGYTGSYNYGSYGNQHPHLQNPALPHDTAISGPLHSPYHRSSAQYFPNSPTSR
 MEPCLMSSTPRLHPTVTPRWPEVPTANACYTSPSVHSTRYGNSSDMYTPLTTRRNSEYEHMQHFPGFAY
 INGEASTGWAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
 Cloning Scheme:



Plasmid Map:


ACCN: NM_027689

ORF Size: 1923 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

MW: 72.9 kDa

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]