

Product datasheet for **MR222428**

Rfx8 (NM_001145660) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rfx8 (NM_001145660) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rfx8
Synonyms:	4933400N17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222428 representing NM_001145660
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGAGGCGGTGCCGCCTCTCCTGCGAGTGGCCTGGCCTGCACCGGGTATCATTCAATGGCTGG
 TTGACAATTTCTGCATCTGTGAAGGTTACAGCGTGCCCGATGTCTCATGTATGAGATTTATGTCGAGAC
 CTGTGGGCAGAGTGCTCAGAACCAAGTCAACCCAGCGACATTTGGGAAGCTTGTGCGCTTGGTTTTCCCT
 GACCTGGGCACCCGAGGCTGGGCACACGAGGAAGTCCAGGTATCATTATGATGGGATCTACATCAAGA
 AGAGCTCCTTCTTCTACGCTCATTACTGCTACCTGCTGGGTAAAAAGAGCTGTCACAGTGGCAATCTTAT
 TGCCTTCGGAAAATTTCTGACTATAGCAACGTTCTCCAGCAGGAAGAAACATGTGAAAATCATTACCA
 AATAAGAAGGACCCGATGGGCTCACCTGTGTCTCCATTAGAAGATGTCCGGTCTGGGAACAAGAGCTGG
 CAAACAAGTACTCTGTAAGCTGGTGGTCTTTCTTGTGATGAATACTGCAACTACTGTCGAGACATTTT
 ACAGAATGTGAGGAACCAAGAAGTGGAGAAGTGGAGGATTTAATCACATCCTTCTGGAAATCTCGCGAG
 CAAGACACAGTCACTGCTCATGTCTCTGCCCGACTGCGCCAGCTCTTAGGATGCTATGACATGCAGCTGT
 ATAAGGGCTGGAAGACATGCTGCTCCCGACTTCTGGAGGACGTTAGTATCCAGTACCTGAAATCTGT
 CCGGCTGTTTAGTAAAGATTTAACTGTGGCTTCTCGGTGCTCTGGAAGGGTTTCTGCCATCTTACAG
 ATCTCTAAGCTCAAAGAAGTCACTGGATTCTGTCAAAAGACTCAGGAGAAAGAGCTACCTTCCAACATGG
 CGAAGACGATGAAAATGGTCTGAAGAACAGCAGGAGAATCGGCCTTTGAAGTCAGACCTTCGTGCCAT
 CATCAGAGAAGGCACTCTGGATATTTGAAGAAGTCTGGAAGGTGACTCCGACCATGAAGAGGAGCCA
 GAGAGCCACACAGAGATGAAATGCTTAGGCTGTTAATTTCTTTGCTGAAAATCAACAGATCTTGCTG
 AACTCCTGAAGTGTGTCTTCAAACCTCCAAGTGTCTTGTCTCCAGCCGAGCAAAAACAAGAGGATTT
 TATCAAGCTCGCTGCCAGCTTCAACTGAAATGGAATTTCTTCTCACCGCCGTGAGCAAAAGCCATGACC
 CTGAGCCACAGAGACAGTTTCGGTGCCTGGCATCTGTTTCATCTGCTGCTTGGAAATATGTGATTACAC
 TCCTGGAGTCATGCATAGAAGAGGAGGAAGAGGAGGACCTGGGGAGCCTCCAGGACCTGCTGTCAGATGA
 CCAGTTCTCACCCAGCCAGACCAGGCCCTTTCCACCCTCTGGATTCTTTGCCAACATCGGAATGTGCA
 AGCCGGAATGTGGAGTCACTCAGGTGACGCTGAAACACACGAGCCAGAGCTGCGGTCCCATGGGCATGG
 GCAGCGTGGTTCAGGTGCTGGGCTTCTGGTGGACACCGCCACAGGCAATAAGCTTGTCCAGGTATT
 GCTGGAGGACAAAACACTGAGAGCGCTGTGAAGCTCAGCCTTCCCGTGGGACAAGAGGCCCTCATAACC
 CTAAGCAATGGACAGAGTTTGTGATCCACATATCAGATGTGCCCAAAGCTCAGAAAACACGTATTGCA
 GGAAAAGCAACGGAACGTGCAAGGTGGTTTGGTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222428 representing NM_001145660
 Red=Cloning site Green=Tags(s)

MAEAVPASPASGLGLHRGIIQWLVDNFCICEGFSVPRCLMYEIIYVETCGQSAQNQVNPATFGKLVRLVFP
 DLGTRRLGTRGSARYHYDGIYIKKSSFFYAHYCYLLGKKSCHSGNLIAGKFPDYSNVLQQEETCENHSP
 IKKDPMGSPVSPFRRCVWEQELANKYSCKLVVFLADEYCNCRDILQNVNRQELEKVEDLITSFWKSQ
 QDTVMLMSLPDVRQLLGCYDMLLYKGLDMLLPDFLEDVSIQYLKSVRLFSCRKFLWLLGALEGFPAIQ
 ISKLKEVTGFVKRLRRKTYLSNMAKTMKMLKNSRRIGLLKSDLRAIIREGLDISKKVLEGSDHEEEP
 ESHTEMKCLGCLISLLETSTDLAELLNCVSSNLQVLVFQPSKNKEDFIKLAASFQLKWNFLLTAVSKAMT
 LSHRDSFGAWHLFHLLLLLEYVIHILESCIEEEEEEDLGSLLQDLLSDDQFLTQPDQALFHPLDSLPTSECA
 SRNVESPVQTLKHTSQSCGPMGMGSVVLQVLGFLVDTATGNKLVQVLLLEDKTTESAVKLSLPVQAEALIT
 LSNGQRFVIHISDVPQSSENTYCRKSNANVQGGLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9072_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145660

ORF Size: 1788 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_001145660.1](#), [NP_001139132.1](#)

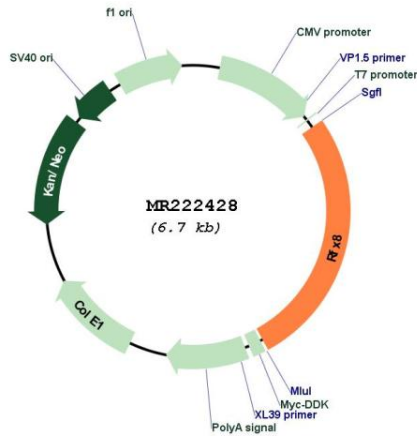
RefSeq Size: 2024 bp

RefSeq ORF: 1791 bp

Locus ID: 619289

UniProt ID: [D3YU81](#)
 Cytogenetics: 1 B
 MW: 67.3 kDa
 Gene Summary: May be a transcription factor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222428