

## Product datasheet for MR229273

### Rbfox3 (NM\_001285437) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rbfox3 (NM_001285437) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rbfox3
Synonyms:	Fox-3; Hrnbp3; NeuN; Neuna60
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229273 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAGCCCTACCCCTGCCAGTACCCTCCTCCGCTCAGAATGGAATCCCAGCTGAATATGCC  
CACCTCCGCTCATCCCACCCAGGACTACTCCGGCCAGACCCCTGTTCCCCCGAGCAGGCATGACCT  
CTACACACCCGCACAGACTCATCCTGAGCAGCCAGGCACTGAGGCCAGCACAGCCATTGCTGGGACC  
CAGACGGTGCCGAGGCAGATGAAGCAGCACAGACAGACAACCAGCAACTCCACCCTTCGACCCACGG  
AGAAGCAGCAGCCAAACGACTACATGTCTCCAACATCCCCTTCGGTTCAGGGACCCGACCTGCGGCA  
AATGTTTCGGGCAATTCGGGAAAATTTAGACGTGGAGATCATTTTTAACGAGCGGGCTCCAAGTCAAT  
AATGCCACAGCCCGGTCATGACCAATAAGAAGCCTGGGAACCCATATGCCAATGGCTGGAAGCTAAACC  
CTGTGGTAGGAACAGTCTATGGGCTGAATTCTATGCAGTGACCAGTTTTCCCTACCCACCACGGGCAC  
CGCCGTTGCTACCGGGTGCACACCTGCGGGCCGGGGCCGTGTGTATAATACATTTCGAGCTGCA  
CCACCTCCACCCCATTCAACTTATGGAGCGGCACTGGAGCAAACGCTTGTTAAAATGCCAGTCCCGT  
GGGCGGGCTGGCACCCTGCCCCCTCCCTCCTCAGCAGACACCGAGCCGGCCTACCCACCTCTCCAGC  
GTTCCACCACTCTTTGTCGTTTGTCCAGGGTCGTATCAGGATGGATTTATGGTGCTGAGATT  
TATGGAGGCTATGCAGTTACAGATATGCTCAGCCAGCAGCCACCGCAGCAGCTACAGTGACAGTT  
ATGGTAGAGTCTATGCCGCTGCTGATCCTTACCATCACACCATCGGCCCCACGCAACCTACAGCATCGG  
AACCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229273 protein sequence  
 Red=Cloning site Green=Tags(s)

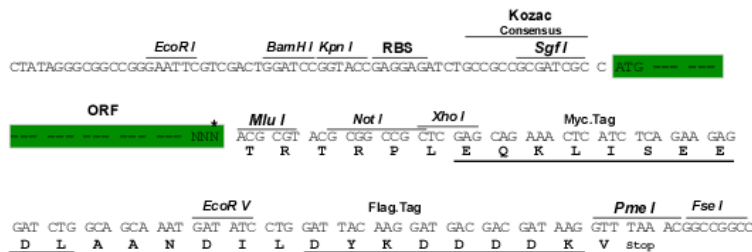
MAQPYPPAQYPPPPQNGIPAEYAPPPHPTQDYSGQTPVPPEHGMPLYTPAQTHPEQPGTEASTQPIAGT  
 QTVPQADEAAQTDNQLHPSDPTEKQPKRLHVSNIFFRFRDPLRQMGQFGKILDVEIIFNERGSKVN  
 NATARVMTNKKPGNPYANGWKLNPVVGTVYGPFEYAVTSFPYPTTGTA VAYRGAHLRGRGRAVYNTFRAA  
 PPPPIPTYGAALQTLVKMPVPWAGLAPCPLPPQQTPEPAYPTSPAFFPLSCPFA SRVVYQDGFYGA EI  
 YGGYAAARYAQAATAAAYS SDSYGRVYAAADPYHHTIGPTATYSIGTM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001285437

**ORF Size:** 990 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\\_001285437.1](#), [NP\\_001272366.1](#)

**RefSeq Size:** 2948 bp

**RefSeq ORF:** 990 bp

**Locus ID:** 52897

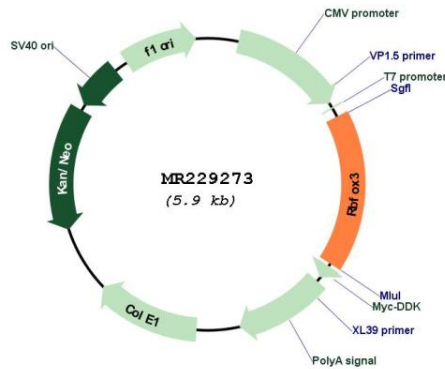
**UniProt ID:** [Q8BIF2](#)

**Cytogenetics:** 11 83.22 cM

**MW:** 35.6 kDa

**Gene Summary:** Pre-mRNA alternative splicing regulator. Regulates alternative splicing of RBFOX2 to enhance the production of mRNA species that are targeted for nonsense-mediated decay (NMD). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR229273