

Product datasheet for **MR220900**

Rbfox3 (NM_001024931) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbfox3 (NM_001024931) 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: >MR220900 representing NM_001024931
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCAGCCCTACCCCTGCCAGTACCCTCCTCCGCTCAGAATGGAATCCCAGCTGAATATGCC
CACCTCCGCTCATCCCACCCAGGACTACTCCGGCCAGACCCCTGTTCCCCCGAGCACGGCATGACCT
CTACACACCCGCACAGACTCATCCTGAGCAGCCAGGCACTGAGGCCAGCACAGCCATTGCTGGGACC
CAGACGGTGCCGAGGCAGATGAAGCAGCACAGACAGACAACCAGCAACTCCACCCTTCGACCCACGG
AGAAGCAGCAGCCAAACGACTACATGTCTCAACATCCCCTTCGGTTCAGGGACCCGACCTGCGGCA
AATGTTTCGGCAATTCGGGAAAATTTAGACGTGGAGATCATTTTTAACGAGCGGGCTCCAAGGGTTT
GGGTTTGAACTTTTGAACTAGCTCAGATGCTGACCGAGCCCGGAGAAGCTGAATGGGACGATCGTAG
AGGGACGGAAAATTGAGGTCAATAATGCCACAGCCCGGTTCATGACCAATAAGAAGCCTGGGAACCCATA
TGCCAATGGCTGGAAGCTAAACCCTGTGGTAGGAACAGTCTATGGGCTGAATTCATGCAGTGACCAGT
TCCCCCTACCCACCCAGGGCACCGCCTTGCCTACCGGGTGCACACCTGCGGGCCCGGGCCGTGCTG
TGTATAATACATTTGAGCTGCACCACCTCCACCCCATTCACCTTATGGAGCGGTCTGTATCAGGA
TGGATTTATGGTGTGAGATTTATGGAGGCTATGCAGCTTACAGATATGCTCAGCCAGCAGCCGCCACC
GCAGCAGCCTACAGTGACAGTTATGGTAGAGTCTATGCCGCTGCTGATCCTTACCATCACACCATCGGCC
CCACAGCAACCTACAGCATCGGAACCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220900 representing NM_001024931
Red=Cloning site Green=Tags(s)

MAQPYPPAQYPPPPQNGIPAEYAPPPPHPTQDYSGQTPVPPEHGMPLYTPAQTHPEQPGTEASTQPIAGT
 QTVPQADEAAQTDNQLHPSDPTEKQPKRLHVSNIFFRFRDPLRQMGQFGKILDVEIIFNERGSKGF
 GFVTFETSSADRAREKLNGTIVEGRKIEVNNATARVMTNKKPGNPYANGWKLNPVVGTVYGPEFYAVTS
 FPYPPTGTAVAYRGAHLRGRGRAVYNTFRAAPPPPIPTYGAVVYQDGFYGAIEYGGYAAVRYAQPAAAT
 AAAYSDSYGRVYAAADPYHHTIGPTATYSIGTM

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_001024931

ORF Size: 939 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_001024931.2](#), [NP_001020102.2](#)

RefSeq Size: 3007 bp

RefSeq ORF: 942 bp

Locus ID: 52897

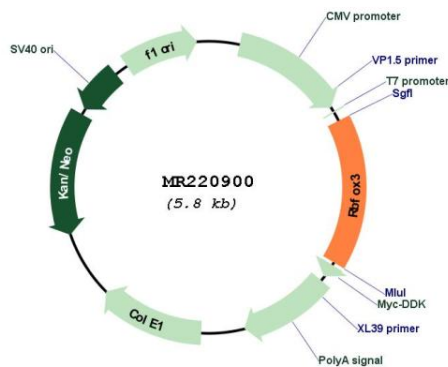
UniProt ID: [Q8BIF2](#)

Cytogenetics: 11 83.22 cM

MW: 34.5 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 MR220900