

Product datasheet for MR220898

Rbfox3 (NM_001039167) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbfox3 (NM_001039167) 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:	>MR220898 representing NM_001039167 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCAGCCCTACCCCTGCCAGTACCCTCCTCCGCTCAGAATGGAATCCCAGCTGAATATGCC
CACCTCCGCTCATCCCACCCAGGACTACTCCGGCCAGACCCCTGTTCCCCCGAGCAGGCATGACCT
CTACACACCCGCACAGACTCATCCTGAGCAGCCAGGCACTGAGGCCAGCACAGCCATTGCTGGGACC
CAGACGGTGCCGAGCAGATGAAGCAGCACAGACAGACAACCAGCAACTCCACCCTCCGACCCACGG
AGAAGCAGCAGCCAAACGACTACATGTCTCCAACATCCCCTCCGGTTCAGGGACCCGACCTGCGGCA
AATGTTTCGGCAATTCGGGAAAATTTAGACGTGGAGATCATTTTTAACGAGCGGGCTCCAAGGGTTTT
GGGTTTGAACTTTTGAACTAGCTCAGATGCTGACCGAGCCCGGAGAAGCTGAATGGGACGATCGTAG
AGGGACGGAAAATTGAGGTCAATAATGCCACAGCCCGGTTCATGACCAATAAGAAGCCTGGGAACCCATA
TGCCAATGGCTGGAAGCTAAACCCTGTGGTAGGAACAGTCTATGGGCCTGAATTCATGCAGTGACCAGT
TTCCCCTACCCACCCAGGGCACCCTGCTGCTACCGGGTGCACACCTGCGGGCCCGGGCCGTGCTG
TGTATAATACATTTGAGCTGCACCACCTCCACCCCATTCAACTTATGGAGCGGCACTGGAGCAAAC
GCTTGTAAAATGCCAGTCCCGTGGCGGGGCTGGCACCCTGCCCCCTCCCTCCTCAGCAGACACCGGAG
CGGGCCTACCCACCTCCTCCAGCGTCCACCACTCTCTTGTCGGTTTGCTTCCAGGGTCTGTATCAGG
ATGGATTTTATGGTGTGAGATTTATGGAGGCTATGCAGCTTACAGATATGCTCAGCCAGCAGCCGCCAC
CGCAGCAGCCTACAGTGACAGTTATGGTAGAGTCTATGCCGCTGCTGATCCTTACCATCACACCATCGGC
CCCACAGCAACCTACAGCATCGGAACCATGGTAGCCTCTGCCGAGGAGGTACAGCCGCTTACCCCT
AC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220898 representing NM_001039167
Red=Cloning site Green=Tags(s)

MAQPYPPAQYPPPPQNGIPAEYAPPPPHPTQDYSGQTPVPPPEHGMPLYTPAQTHPEQPGTEASTQPIAGT
 QTVPQADEAAQTDNQQLHPSDPTEKQPKRLHVSNIFFRFRDPLRQMFQFGKILDVEIIFNERGSKGF
 GFVTFETSSDADRAREKLNGTIVEGRKIEVNNATARVMTNKKPGNPNYANGWKLNPVVGTVYGPEFYAVTS
 FPYPTTGTAVAYRGAHLRGRGRAVYNTFRAAPPPPIPTYGAALQTLVKMPVPWAGLAPCPLPPQQTPE
 PAYPTSPAFPLSCPFAASRVVYQDGFYGAIEYGGYAAARYAQPAAATAAAYSDSYGRVYAAADPYHHTIG
 PTATYSIGTMASLCRGGYSRFTPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1945_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001039167

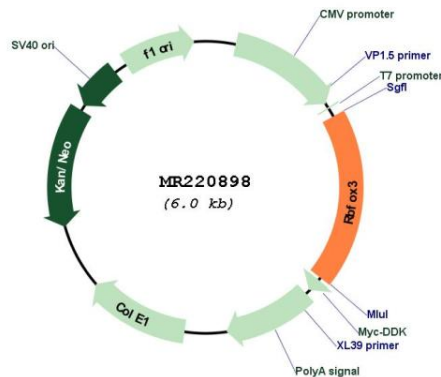
ORF Size: 1122 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_001039167.1</u> , <u>NP_001034256.1</u>
RefSeq Size:	4545 bp
RefSeq ORF:	1125 bp
Locus ID:	52897
UniProt ID:	<u>Q8BIF2</u>
Cytogenetics:	11 83.22 cM
MW:	41.1 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 MR220898