

Product datasheet for **MC209921**

Rbfox3 (NM_001039168) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbfox3 (NM_001039168) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rbfox3
Synonyms: Fox-3; Hrnbp3; NeuN; Neuna60
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC209921 representing NM_001039168
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCAGCCCTACCCCTGCCAGTACCCTCCTCCGCTCAGAATGGAATCCAGCTGAATATGCC
CACCTCCGCTCATCCCACCCAGGACTACTCCGGCCAGACCCCTGTTCCCCCGAGCAGGCATGACCT
CTACACACCCGCACAGACTCATCCTGAGCAGCCAGGCACTGAGGCCAGCACAGCCATTGCTGGGACC
CAGACGGTGCCGCGAGATGAAGCAGCACAGACAGACAACCAGCAACTCCACCTTCCGACCCACGGAGA
AGCAGCAGCCAAACGACTACATGTCTCCAACATCCCCTTCCGGTTCAGGGACCCCGACCTGCGGCAAT
GTTCCGGCAATTCGGGAAAATTTAGACGTGGAGATCATTTTTAACGAGCGGGGCTCCAAGGTTTTGGG
TTTGTAACTTTTGAACTAGCTCAGATGCTGACCGAGCCCGGAGAAAGCTGAATGGGACGATCGTAGAGG
GACGGAAAATTGAGGTCAATAATGCCACAGCCGGTCAATGACCAATAAGAAGCCTGGGAACCCATATGC
CAATGGCTGGAAGCTAAACCCTGTGGTAGGAACAGTCTATGGCCTGAATTCTATGCAGTGACAGTTTC
CCCTACCCACCACGGGCACCGCCTTGCCTACCGGGTGACACCTGCGGGGCCGGGCGGTGCTGTGT
ATAATACATTTTCGAGCTGCACCCTCCACCCCAATCCAATTATGGAGCGGTGCTGTATCAGGATGG
ATTTTATGGTGTGAGATTTATGGAGGCTATGCAGCTTACAGATATGCTCAGCCAGCAGCCGCCACCGCA
GCAGCCTACAGTGACAGTTATGGTAGAGTCTATGCCGTGCTGATCCTTACCATCACACCATCGGCCCA
CAGCAACCTACAGCATCGGAACCATGGCTAGCCTCTGCCGAGGAGGTACAGCCGCTTACCCCTACTA
G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001039168
Insert Size:	981 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	NM_001039168.1 , NP_001034257.1
RefSeq Size:	4401 bp
RefSeq ORF:	981 bp
Locus ID:	52897
UniProt ID:	Q8BIF2
Cytogenetics:	11 83.22 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>