

## Product datasheet for **MC227269**

### **Rbfox3 (NM\_001285436) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rbfox3 (NM\_001285436) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rbfox3  
**Synonyms:** Fox-3; Hrnbp3; NeuN; Neuna60  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227269 representing NM\_001285436  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCAGCCCTACCCCTGCCAGTACCCTCTCCGCTCAGAATGGAATCCCAGCTGAATATGCC  
 CACCTCCGCTCATCCCACCCAGGACTACTCCGCCAGACCCCTGTTCCCCCGAGCACGGCATGACCT  
 CTACACACCCGCACAGACTCATCTGAGCAGCCAGGCACTGAGGCCAGCACAGCCATTGCTGGGACC  
 CAGACGGTGCCGAGGCAGATGAAGCAGCACAGACAGACAACCAGCAACTCCACCCTTCGACCCACGG  
 AGAAGCAGCAGCCAAACGACTACATGTCTCAACATCCCCTTCGGTTCAGGGACCCCGACCTGCGGCA  
 AATGTTCCGGCAATTCGGGAAAATTTAGACGTGGAGATCATTTTTAACGAGCGGGGCTCCAAGGTTTT  
 GGGTTTGTAACTTTGAACTAGCTCAGATGCTGACCGAGCCCGGAGAAAGCTGAATGGGACGATCGTAG  
 AGGGACGGAAAATTGAGGTCAATAATGCCACAGCCCGGTTCATGACCAATAAGAAGCCTGGGAACCCATA  
 TGCCAATGGCTGGAAGCTAAACCCTGTGGTAGGAACAGTCTATGGGCTGAATTCATGCAGTGACCAGT  
 TTCCCTACCCACCCAGGGCACCGCCTTGCCTACCGGGTGCACACCTGCGGGGCCGGGCGCTGCTG  
 TGTATAATACATTTGAGCTGCACCACCTCCACCCCAATCCAATTATGGAGCGGCACTGGAGCAAAC  
 GCTTGTTAAAATGCCAGTCCCGTGGCGGGGCTGGCACCGTGGCCCTCCCTCCTCAGCAGACACCGGAG  
 CCGGCCTACCCACCTCTCCAGCTTCCACCCTCTTGTCCGTTTGTTCAGGGTCTGTATCAGG  
 ATGGATTTATGGTGTGAGATTTATGGAGGCTATGCAGCTTACAGATATGCTCAGCCAGCAGCCGCCAC  
 CGCAGCAGCCTACAGTGACAGTTATGGTAGAGTCTATGCCGCTGCTGATCCTTACCATCACACCATCGGC  
 CCCACAGCAACCTACAGCATCGGAACCATG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001285436



<b>Insert Size:</b>	1083 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001285436.1, NP_001272365.1</u>
<b>RefSeq Size:</b>	3108 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	52897
<b>UniProt ID:</b>	<u>Q8BIF2</u>
<b>Cytogenetics:</b>	11 83.22 cM
<b>Gene Summary:</b>	<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 (4) uses an alternate in-frame splice junction at the 5' end of an exon and has an alternate 3' UTR and coding sequence compared to variant 1. The resulting isoform (4) contains an alternate internal segment and is shorter at the C-terminus compared to isoform 1.</p>