

Product datasheet for MC226775

Rbfox2 (NM_001286418) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbfox2 (NM_001286418) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rbfox2
Synonyms: Fbm2; Fxh; Hrnbp2; Rbm9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC226775 representing NM_001286418
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAAAAAGAAAATGGTAACTCAGGGTAACCGAGGCAACAACAACCTCTGACGCAATGGTTCAGC
 CTTTTACTACCATCCCGTCCCACCACCTCCACAAAATGGAATCCCACAGAATATGGAGTGCCACACAC
 TCAGGACTATGCCGGCCAGACCAGTGAACATAACCTGACCCTCTACGGGAGTACGCAGCCTCATGGAGAA
 CAGAGTAGCAATTCACCCAGCAACCAGAATGGATCTCTCACGGTGAATAATGCAACAGCACGGGTATGA
 CCAACAAGAAGATGGTACGCCATATGCAAATGGCTGGAAGTTAAGCCCAGTAGTTGGAGCTGTGTATGG
 TCCTGAGTTATATGCAGCATCCAGCTTTCAAGCTGATGTGTCCCTAGGCAATGAGGCGGCTGTGCCCTTG
 TCAGGAAGAGGAGGCATCAACACTTACATCCCTCTAATCAGTCTCCCTTTAGTTCCTGGCTTCCCTTACC
 CAACTGCAGCCACCACGGCAGCTGCTTTCCGAGGAGCCCATCTGAGGGGCAGAGGGCGGACAGTGTATGG
 TGCAGTCCGAGCGGTACCTCCAACAGCCATCCCGCCTATCCAGGTGTGGTTTACCAGGACGGATTTTAC
 GGTGCTGACCTCTATGGTGGATATGCAGCCTACAGATATGCACAGCCTGCTACTGCAACCCGAGCCACAG
 CTGCTGCAGCCGCTGCAGCCGTTACAGCGACGGTTACGGCAGGGTGTACACAGCTGACCCTACCATGC
 CCTCGCCCCTGCCGCGAGCTATGGAGTTGGCGCTGTGGCGAGTTTGTACCGAGGTGGCTACAGCCGATTT
 GCCCCCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286418
Insert Size: 852 bp



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| OTI Disclaimer: | 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). |
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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_001286418.1</u> , <u>NP_001273347.1</u> |
| RefSeq Size: | 6280 bp |
| RefSeq ORF: | 852 bp |
| Locus ID: | 93686 |
| UniProt ID: | <u>Q8BP71</u> |
| Cytogenetics: | 15 D3 |
| Gene Summary: | <p>RNA-binding protein that regulates alternative splicing events by binding to 5'-UGCAUGU-3' elements. Prevents binding of U2AF2 to the 3'-splice site. Regulates alternative splicing of tissue-specific exons and of differentially spliced exons during erythropoiesis. Seems to act as a coregulatory factor of ER-alpha (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (8) lacks part of the 5' and central coding region, uses an alternate 5'-terminal exon, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (8) is shorter and has a distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |