

## Product datasheet for MR229397

### Rbfox2 (NM\_001286419) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rbfox2 (NM\_001286419) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rbfox2  
**Synonyms:** Fbm2; Fxh; Hrnbp2; Rbm9  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229397 representing NM\_001286419  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGAAAAAGAAAATGGTAACTCAGGGTAACCAGGAGCCAACAACAACCTCTGACGCAATGGTTCAGC  
 CTTTTACTACCATCCCGTCCCACCACCTCCACAAAATGGAATCCACAGAATATGGAGTGCCACACAC  
 TCAGGACTATGCCGGCCAGACCAGTGAACATAACCTGACCCTCTACGGGAGTACGCAGCCTCATGGAGAA  
 CAGAGTAGCAATTCACCCAGCAACCAGAATGGATCTCTCACGACAGAAGGTGGAGCACAGACAGACGGAC  
 AACAGTCACAGACACAAAGTAGTAAAAATTCAGAGAGTAAATCTACGCCAAGCGACTACATGTCTCTAA  
 TATTCCTTCCGCTTCCGAGACCCTGACCTCCGGCAGATGTTGGGCAGTTTGGCAAAATCCTAGATGTG  
 GAAATAATCTTTAATGAGCGCGGCTCCAAGGTGAATAATGCAACAGCACGGGTATGACCAACAAGAAGA  
 TGGTCACGCCATATGCAATGGCTGGAAGTTAAGCCAGTAGTTGGAGCTGTGTATGGTCTGAGTTATA  
 TGCAGCATCCAGCTTTCAAGCTGATGTGCCCTAGGCAATGAGGCGGCTGTGCCCTGTGAGGAAGAGGA  
 GGCATCAACACTTACATCCCTAATCATTCTGGCTTCCCTACCCAAGTGCAGCCACCACGGCAGCTG  
 CTTCCGAGGAGCCCATCTGAGGGCAGAGGGCGGACAGTGTATGGTGCAGTCCGAGCGGTACCTCCAAC  
 AGCCATCCCGCCTATCCAGGAATAGTGTACAGGAACCAATCATTAGCGCTAAAATACCTCAGGGTGGA  
 TATGCAGCTACAGATATGCACAGCCTGCTACTGCAACCGCAGCCACAGCTGCTGCAGCCGCTGCAGCCG  
 CTTACAGCGACGGTTACGGCAGGGTGTACACAGCTGACCCCTACCATGCCCTCGCCCTGCCCCAGCTA  
 TGGAGTTGGCGCTGTGGCGAGTTTGTACCGAGGTGGCTACAGCCGATTTGCCCTAC

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229397 representing NM\_001286419  
 Red=Cloning site Green=Tags(s)

MEKKKMVTQGNQEPTTTPDAMVQPFITIPFPPPPQNGIPTEYGVPHQTQDYAGQTSEHNLTLYGSTQPHGE  
 QSSNSPSNQNSLTTEGGAQTDGQSQSQSSENSESKSTPKRLHVSNIPIFRFRDPLRQMFQGFKILDV  
 EIIIFNERGSKVNNATARVMTNKKMVTPTYANGWKLSPVVGAVYGPPELYAASSFQADVSLGNEAAVPLSGRG  
 GINTYIPLIIPGFYPTAATTAFAFRGAHLRGRRTVYGA VRAPPTAIPAYPGIVLQPEIISAKIPQGG  
 YAAARYAQPATATAATAAAAAAAYS DGYGRVYTADPYHALAPAASYGVGAVASLYRGGYSRFAPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

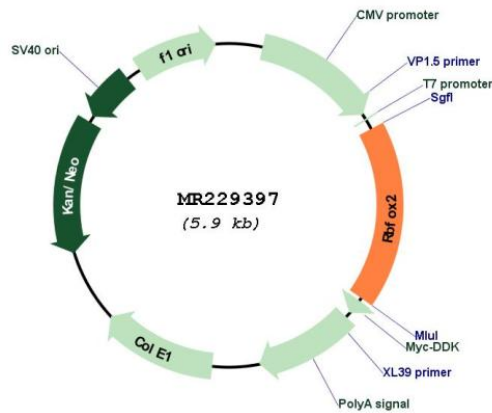
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286419

**ORF Size:** 1038 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001286419.1</a> , <a href="#">NP_001273348.1</a>
<b>RefSeq Size:</b>	6469 bp
<b>RefSeq ORF:</b>	1041 bp
<b>Locus ID:</b>	93686
<b>UniProt ID:</b>	<a href="#">Q8BP71</a>
<b>Cytogenetics:</b>	15 D3
<b>MW:</b>	37.1 kDa
<b>Gene Summary:</b>	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]