

Product datasheet for **RG206846**

RBFOX2 (NM_001031695) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBFOX2 (NM_001031695) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBFOX2
Synonyms:	dj106l20.3; Fox-2; FOX2; fxb; HNRBP2; HRNBP2; RBM9; RTA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206846 representing NM_001031695 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAAAAGAAAATGGTAACTCAGGGTAACCGAGGCCGACAACAACCTCTGACGCAATGGTTCAGC
CTTTTACTACCATCCATTTCCACCACCTCCGAGAAATGGAATCCACAGAGTATGGGGTGCCACACAC
TCAAGACTATGCCGGCCAGACCGGTGAGCATAACCTGACACTCTACGGAAGTACGCAAGCCACGGGGAG
CAGAGCAGCAACTCACCCAGCACAAAAATGGATCTCTTACGACAGAAGGTGGAGCACAGACAGACGGCC
AGCAGTCACAGACACAAAGTAGTAAAAATTCAGAGAGTAAATCTACCCCGAAACGGCTGCATGTCTCTAA
TATTCTTTCCGCTTCCGGGACCCTGACCTCCGGCAGATGTTGGGCAGTTTGGCAAAATCCTAGATGTA
GAAATAATCTTTAATGAACGTGGCTCTAAGGGATTCGGGTTTCGTAACCTTCGAGAATAGTGTGATGCAG
ACAGGGCCAGGGAGAAATTACACGGCACCGTGGTAGAGGGCCGTAATAATCGAGGTGAATAATGCTACAGC
ACGTGTAATGACCAATAAGAAGATGGTCACACCATATGCAAAATGGTTGGAAATTAAGCCAGTAGTTGGA
GCTGTATATGGTCCGGAGTTATATGCAGCATCCAGCTTCAAGCAGATGTGTCCCTAGGCAATGATGCAG
CAGTGCCCTATCAGGAAGAGGGGGTATCAACACTTACATTCTTTAATCAGTCTCCCTTAGTTCCTGG
CTTCCCTTACCCTACTGCAGCCACCACGGCAGCCGCTTTCAGAGGAGCCCATTTGAGGGGCAGAGGGCGG
ACAGTATATGGTGCAGTCCGAGCGGTACCTCCAACAGCCATCCCGCCTATCCAGGTGTGGTTTACCAGG
ACGGATTTTACGGTGTGACCTCTATGGTGGATATGCAGCCTACAGATATGCACAGCCTGCTACTGCAAC
CGCAGCCACCGCTGCTGCAGCCGCTGCAGCCGCTTACAGTGACGGTTATGGCAGGGTGTACACAGCCGAC
CCCTACCATGCCCTTGCCCTGCCGCTAGCTATGGAGTTGGCGCTGTGGCAGTTTATACCGAGGTGGCT
ACAGCCGATTTGCCCTAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG206846 representing NM_001031695
 Red=Cloning site Green=Tags(s)

```
MEKKKMVTQGNQEPTTTPDAMVQPFTTIPFPPPPQNGIPTEYGVPHQTQDYAGQTGEHNL TLYGSTQAHGE
QSSNSPSTQNGSLTTEGGAQTDGQSQSQSSSENSESKSTPKRLHVSNIPIFRFRDPLRQMFQFGKILDV
EIIIFNERGSKGFGFVTFENSADADRAREKLHGTVVEGRKIEVNNATARVMTNKKMVTPTYANGWKLSPVVG
AVYGPETYAASSFQADVSLGNDAAVPLSGRGGINTYIPLISLPLVPGFPYPTAATTA AAFRGAHLRGRGR
TVYGA VRAVPPTAIPAYPGVVYQDGFY GADLYGGYAA YRYAQPATATAATA AAAAAAAAAA SDGYGRVYTAD
PYHALAPAASYGVGAVASLYRGGYSRFAPY
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001031695

ORF Size: 1140 bp

OTI Disclaimer: 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:

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_001031695.4](#)

RefSeq Size: 6997 bp

RefSeq ORF: 1143 bp

Locus ID: 23543

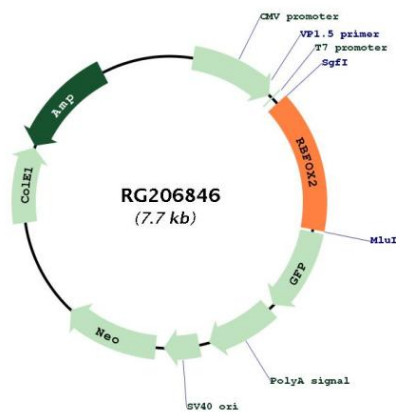
UniProt ID: [O43251](#)

Cytogenetics: 22q12.3

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene is one of several human genes similar to the *C. elegans* gene Fox-1. This gene encodes an RNA binding protein that is thought to be a key regulator of alternative exon splicing in the nervous system and other cell types. The protein binds to a conserved UGCAUG element found downstream of many alternatively spliced exons and promotes inclusion of the alternative exon in mature transcripts. The protein also interacts with the estrogen receptor 1 transcription factor and regulates estrogen receptor 1 transcriptional activity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG206846