

Product datasheet for RC222907

RBFOX2 (NM_001082577) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBFOX2 (NM_001082577) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBFOX2
Synonyms:	dj106l20.3; Fox-2; FOX2; fxb; HNRBP2; HRNBP2; RBM9; RTA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222907 representing NM_001082577 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAAAAGAAAATGGTAACTCAGGGTAACCGAGGCCGACAACAACCTCTGACGCAATGGTTCAGC
CTTTTACTACCATCCATTTCCACCACCTCCGAGAATGGAATCCACAGAGTATGGGGTCCACACAC
TCAAGACTATGCCGGCCAGACCGGTGAGCATAACCTGACACTCTACGGAAGTACGCAAGCCACGGGGAG
CAGAGCAGCAACTCACCCAGCACAAAAATGGATCTCTTACGACAGAAGTGGAGCACAGACAGACGGCC
AGCAGTCACAGACACAAAGTAGTAAAAATTCAGAGAGTAAATCTACCCGAAACGGCTGCATGTCTCTAA
TATTCCTTTCCGCTTCCGGGACCCTGACCTCCGGCAGATGTTGGGCAGTTTGGCAAAATCCTAGATGTA
GAAATAATCTTTAATGAACGTGGCTCTAAGGGATTCCGGTTCGTAACCTTCGAGAATAGTGTGATGCAG
ACAGGGCCAGGGAGAAATTACACGGCACCGTGGTAGAGGGCCGTAATAATCGAGGTGAATAATGCTACAGC
ACGTGTAATGACCAATAAGAAGATGGTCACACCATATGCAATGGTTGGAAATTAAGCCAGTAGTTGGA
GCTGTATATGGTCCGGAGTTATATGCAGCATCCAGCTTCAAGCAGATGTGTCCCTAGGCAATGATGCAG
CAGTGCCCTATCAGGAAGAGGGGGTATCAACACTTACATTCTTTAATCAGTCTCCCTTAGTTCTCTGG
CTTCCCTTACCCTACTGCAGCCACCACGGCAGCCGCTTTCAGAGGAGCCCATTTGAGGGGCAGAGGGCGG
ACAGTATATGGTGCAGTCCGAGCGGTACCTCCAACAGCCATCCCGCCTATCCAGGGTGGATATGCAGC
CTACAGATATGCACAGCCTGCTACTGCAACCGCAGCCACCGCTGCTGCAGCCGCTGCAGCCGCTTACAGT
GACGGTTATGGCAGGGTGTACACAGCCGACCCCTACCATGCCCTTGCCCTGCCGCTAGCTATGGAGTTG
GCGCTGTGGCGAGTTTATACCGAGTGGCTACAGCCGATTTGCCCTACTGAAGTGACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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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_001082577.3](#)

RefSeq Size: 6957 bp

RefSeq ORF: 1113 bp

Locus ID: 23543

UniProt ID: [O43251](#)

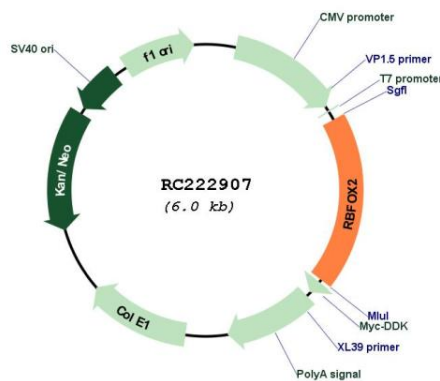
Cytogenetics: 22q12.3

Protein Families: Druggable Genome, Transcription Factors

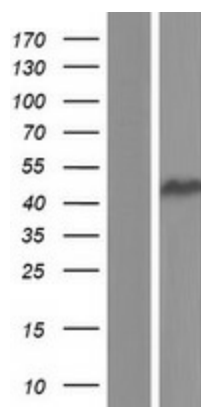
MW: 39.6 kDa

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 RC222907



Western blot validation of overexpression lysate (Cat# [LY421192]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222907 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).