

Product datasheet for RC237760

FBXO31 (NM_001282683) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: FBXO31 (NM_001282683) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: FBXO31
 Synonyms: FBX14; Fbx31; FBXO14; MRT45; pp2386
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RC237760 representing NM_001282683
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTACCTGCCTCCCATGACCCCCACGTCGATGACCCTATGAGATTCAAGCCTCTGTTCCAGGATCCACC
 TGATGGAGAGGAAGGCTGCCACAGTGGAGTGCATGTACGGCCACAAGGGCCCCACCACGGCCACATCCA
 GATTGTGAAGAAGGATGAGTTCTCCACCAAGTGAACCAGACGGACCACCACAGGATGTCCGGCGGGAGG
 CAGGAGGAGTTTCGGACGTGGCTGAGGGAGGAATGGGGGCGCACGCTGGAGGACATCTTCCACGAGCACA
 TGCAGGAGCTCATCCTGATGAAGTTCATCTACACCAGTCAGTACGACAACCTGCCTGACCTACCGCCGCAT
 CTACCTGCCGCCAGCCGCCCGACGACCTCATCAAGCCTGGCCTCTTCAAAGGTACCTATGGCAGCCAC
 GGCTGGAGATTGTGATGCTCAGCTTCCACGGCCGGCGTGCCAGGGGCACCAAGATCACGGGCGACCCCA
 ACATCCCCGCTGGGCAGCAGACAGTGGAGATCGACCTGAGGCATCGGATCCAGCTGCCGACCTCGAGAA
 CCAGCGCAACTCAATGAGCTCTCCGCATCGTCCTGGAGGTGCGCGAGAGGGTGCGCCAGGAGCAGCAG
 GAAGGCGGGCACGAGGCGGGCGAGGGTCGTGGCCGGCAGGGCCCCGGGAGTCCCAGCCAAGCCCTGCCC
 AGCCCAGGGCAGAGGCGCCAGCAAGGGCCAGATGGGACACCTGGTGAGGATGGTGCGCAGCCTGGGGA
 TGCCGTAGCTGCGGCCGAGCAGCCTGCCAGTGTGGGCAGGGGCGAGCCGTTCTGTGCTGCCGTTGGCGTG
 AGCTCCAGGAATGAGGACTACCCCGAACCTGCAGGATGTGTTTTATGGCACAGGCCTCATCGCGGGCC
 ACGGCTTACCAGCCCTGAACGCACCCCGGGGTCTTTCATCCTCTTCGATGAGGACCGCTTCGGGTTCTG
 CTGGCTGGAGCTGAAATCCTTCAGCCTGTACAGCCGGTCCAGGCCACCTTCCGGAACGCAGATGCGCCG
 TCCCCACAGGCCCTTCGATGAGATGCTCAAGAACATTCAGTCCCTCACCTCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237760 representing NM_001282683
 Red=Cloning site Green=Tags(s)

MYLPPHPHVDDPMRFKPLFRIHLMERKAATVECMYGHKGPHHGHIQIVKKDEFSTKCNQTDHHRMSGGR
 QEEFRTWLREEWGRITLEDIFHEHMQLILMKFIYTSQYDNCLTYRRIYLPSPRPDDLKPLGKGTYGSH
 GLEIVMLSFHGRRARGTKITGDPNIPAGQQTVEIDLRHRIQLPDLENQRNFNELSRIVLEVRERVRQEQQ
 EGGHEAGEGRGRQGPRESQPSAQPRAEAPSKGPDGTPGEDGGEPGDVAAAAEQPAQCQQGQPFVLPVGV
 SSRNEDYPRTCRCMCFYGTGLIAGHGFTSPERTPGVIFILFDEDRFGFVWLELKSFSLSYSRVQATFRNADAP
 SPQAFDEMLKNIQSLTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

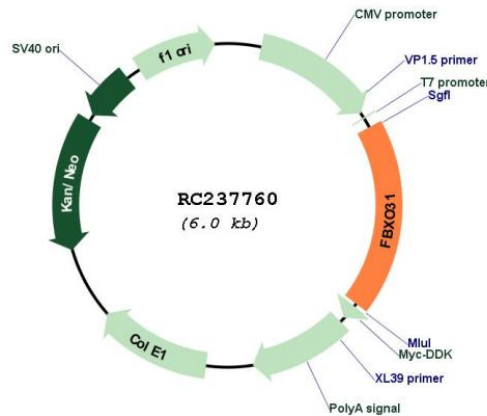
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282683

ORF Size:	1101 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:	<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:	NM_001282683.2
RefSeq Size:	5738 bp
RefSeq ORF:	1104 bp
Locus ID:	79791
UniProt ID:	Q5XUX0
Cytogenetics:	16q24.2
Protein Families:	Druggable Genome
MW:	42.2 kDa
Gene Summary:	This gene is a member of the F-box family. Members are classified into three classes according to the substrate interaction domain, FBW for WD40 repeats, FBL for leucine-rich repeats, and FBXO for other domains. This protein, classified into the last category because of the lack of a recognizable substrate binding domain, has been proposed to be a component of the SCF ubiquitination complex. It is thought to bind and recruit substrate for ubiquitination and degradation. This protein may have a role in regulating the cell cycle as well as dendrite growth and neuronal migration. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]