

Product datasheet for **SC335654**

FBXO31 (NM_001282683) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FBXO31 (NM_001282683) Human Untagged Clone
Tag: Tag Free
Symbol: FBXO31
Synonyms: FBX14; Fbx31; FBXO14; MRT45; pp2386
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC335654 representing NM_001282683.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTACCTGCCTCCCATGACCCACAGTCGATGACCCTATGAGATTCAAGCCTCTGTTACAGGATCCAC
CTGATGGAGAGGAAGGCTGCCACAGTGGAGTGCATGTACGGCCACAAAGGGCCCCACCACGGCCACATC
CAGATTGTGAAGAAGGATGAGTTCTCCACCAAGTGAACAGACGGACCACCACAGGATGTCGGCGGG
AGGCAGGAGGAGTTTCGGACGTGGCTGAGGGAGGAATGGGGCGCACGCTGGAGGACATCTCCACGAG
CACATGCAGGAGCTCATCTGATGAAGTTCATCTACACCAGTCAGTACGACAACCTGCCTGACCTACCGC
CGCATCTACCTGCCGCCAGCCGCCGACGACCTCATCAAGCCTGGCCTCTTCAAAGGTACCTATGGC
AGCCACGGCTGGAGATTGTGATGCTCAGCTTCCACGGCCGGCGTCCAGGGGCACCAAGATCACGGGC
GACCCCAACATCCCCGCTGGGCAGCAGACAGTGGAGATCGACCTGAGGCATCGGATCCAGCTGCCCGAC
CTCGAGAACCAGCGCAACTTCAATGAGCTCTCCCGCATCGTCTGGAGGTGCGCGAGAGGGTGCGCCAG
GAGCAGCAGGAAGGCGGGCAGGAGCGGGCAGGGTCTGTGGCCGAGGGCCCCGGGAGTCCCAGCCA
AGCCCTGCCAGCCAGGGCAGAGGCGCCAGCAAGGGCCAGATGGGACACCTGGTGAGGATGGTGGC
GAGCCTGGGGATGCCGTAGCTGCGGCCGAGCAGCTGCCAGTGTGGCAGGGGCAGCCGTTTCGTGCTG
CCCGTGGCGGTGAGCTCCAGGAATGAGGACTACCCCGAACCTGCAGGATGTGTTTTATGGCACAGGC
CTCATCGCGGGCCACGGCTTACCAGCCCTGAACGCACCCCGGGTCTTCATCTTCATGAGGAC
CGCTTCGGGTTCGTCTGGCTGGAGCTGAAATCCTTCAGCCTGTACAGCCGGTCCAGGCCACCTTCCGG
AACGCAGATGCGCCGTCCCACAGGCCTTCGATGAGATGCTCAAGAACATTCAGTCCCTCACCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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ACCN:	NM_001282683
Insert Size:	1104 bp
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).
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_001282683.1
RefSeq Size:	5738 bp
RefSeq ORF:	1104 bp
Locus ID:	79791
UniProt ID:	Q5XUX0
Cytogenetics:	16q24.2
Protein Families:	Druggable Genome
MW:	41.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) represents use of an alternate promoter and thus differs in the 5' UTR and 5' coding region compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (2) with a shorter N-terminus, compared to isoform 1.</p>