

Product datasheet for **SC112027**

FBXO31 (NM_024735) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO31 (NM_024735) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO31
Synonyms:	FBX14; Fbx31; FBXO14; MRT45; pp2386
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_024735, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGTGTGTGCTCGCCTTTGCGGCGTGGGCCCGTCGCGGGATGTCGGCGCCGCCAGCAGCGCCGGG
GCCCGGCCGAGACGGCGCGGCCGACAGCGAGCCGGACACAGACCCGAGGAGGAGCGCATCGAGGCTAG
CGCCGGGGTCGGGGGCGGCTTGTGCGCGGGCCCTCGCCGCCGCCCGCGCTGCTGCTGGAGCTG
CCGCCCGAGCTGCTGGTGGAGATCTTCGCGTCTGCTGCCGGGCACGGACCTACCCAGCTTGGCCAGGTCT
GCACGAAGTTCCGGCGCATCCTCCACACCGACACCATCTGGAGGAGGCGTTGCCGTGAGGAGTATGGTGT
TTGCGAAAATTGCGGAAGCTGGAGATCACAGGCGTGTCTTGTGCGGACGTCTATGCGAAGCTGCTTCAC
CGATATAGACACATTTTGGGATTGTGGCAGCCAGATATCGGGCCATACGGAGGACTGCTGAACGTGGTGG
TGGACGGCCTGTTTCATCATCGGGTGGATGTACCTGCCTCCCCATGACCCCGACGTCGATGACCTATGAG
ATTCAAGCCTCTGTTTCAAGATCCACCTGATGGAGAGGAAGGCTGCCACAGTGGAGTGCATGTACGGCCAC
AAAGGGCCCCACACGGCCACATCCAGATTGTGAAGAAGGATGAGTTCTCCACCAAGTGAACACAGACGG
ACCACCACAGGATGTCCGGCGGGAGGCAGGAGGAGTTTCGGACGTGGCTGAGGGAGGAATGGGGCGCAC
GCTGGAGGACATCTTCCACGAGCACATGCAGGAGCTCATCTGATGAAGTTCATCTACACAGTCACTAC
GACAACTGCCTGACCTACCGCCGCATCTACCTGCCGCCAGCCGCCCGACGACCTCATCAAGCCTGGCC
TCTTCAAAGGTACCTATGGCAGCCACGGCCTGGAGATTGTGATGCTCAGCTTCCACGGCCGGCGTGCCAG
GGGCACCAAGATCACGGGCGACCCCAACATCCCGCTGGGCAGCAGACAGTGGAGATCGACCTGAGGCAT
CGGATCCAGCTGCCCGACCTCGAGAACCAGCGCAACTTCAATGAGCTCTCCCGCATCGTCTGGAGGTGC
GCGAGAGGGTGCGCCAGGAGCAGCAGGAAGGCGGGCACGAGGCGGGCGAGGGTCTGCGCCGCGAGGGCCC
CCGGGAGTCCCAGCCAAGCCCTGCCAGCCAGGGCAGAGGCGCCAGCAAGGGCCAGATGGGACACCT
GGTGAGGATGGTGGCGAGCCTGGGGATGCCGTAGCTGCGGCCGAGCAGCCTGCCAGTGTGGGACAGGGC
AGCCGTTTCGTGCTGCCCGTGGGCGTGAGCTCCAGGAATGAGGACTACCCCGAACCCTGCAGGATGTGTTT
TTATGGCACAGGCCTCATCGCGGCCACGGCTTACCAGCCCTGAACGCACCCCGGGGTCTTCATCCTC
TTCGATGAGGACCGCTTCGGGTTCTGCTGGCTGGAGCTGAAATCCTTCAGCCTGTACAGCCGGGTCCAGG
CCACCTTCCGGAACGCAGATGCGCCGTCCCGACAGGCCTTCGATGAGATGCTCAAGAACATTCACTCCCT
CACCTCTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024735 unedited

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ATTTTCCCCGCCCGTTGNCGCAATGGGCGGTAGGCGTGACGGTGGGAGGTCTATATAA
GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTCAGCGGCCG
CGAATTCGGCACGAGGGCGGCATGGCGGTGTGTCTCGCCTTTGCGGCGTGGGCCCGTCG
CGCGGATGTGCGCGCCGCCAGCAGCGCCGGGGCCCGCCGAGACGGCGGCGGCCGACAGC
GAGCCGGACACAGACCCCGAGGAGGAGCGCATCGAGGCTAGCGCCGGGGTTCGGGGCGGC
TTGTGCGCGGGCCCTCGCCGCCGCCCGCGCTGCTCGCTGCTGGAGCTGCCGCCGCT
CTGCTGGTGGAGATCTTCGCGTCTGCTGCCGGGCACGGACCTACCCAGCTTGGCCAGGTC
TGCACGAAGTTCCGGCGCATCCTCCACACCGACACCATCTGGAGGAGGCGTTGCCGTGAG
GAGTATGGTGTGCGAAAATTGCGGAAGCTGGAGATCACAGGCGTGTCTTGTGCGGAC
GTCTATGCGAAGCTGCTTACCGATATAGACACATTTTGGGATTGTGGCAGCCAGATATC
GGGCCATACGGAGGACTGCTGAACGTGGCGGGTGGACGGCCCTGCTCTCATCCGGCTGGA
CGTACCTGCCTCCCCATGACCCCGAGGTCGATGACCCCTATGAGACTCAAGTCTTTGG
TCCAGGACCCCTCGATGGCCAAGCACGGCTGCCCGGTTGGCCTGCCATGTACCGGCA
AAAAGGGCCCTACAACGGGCCAAATTCAAATTGTGAAAAAGGCCAGTCCCCTCCACC
ACCCGTATCCCGACTGTACCCCTCCAGATTTCCGCGCCCTATGCCCGTAAGTACCTCC
ACCACCCCGTCTCTACGAAGTAACGGCCCTCCTNCTCCTTCTTCTCCCTCCCTCCCT
CTTTCGTTCTCTCCCTTCAATCCCCCG
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024735 unedited <pre> NNNCCGGTCTAGCTATGNNACCGCGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTGAGATCTGAGATTCCTTTAATCAGAAGCACGTGCGTCCCA CAGTGTGCTCTTCAAGCCCCAAAGGGCACGCCTCTAGGACTGCGTCCCTTAAAGCGAGGC TCGGGATCTTGGTAAAAAAGCATTGCTTGATTTATTTAAACAATGGTGAATCTTCAAG GGGCCAGTCTACATGCCCAACAGTCTCCAGGCTTTAAGGCCACAGTCACCGTCACTCAA AGACTGCCTCATTGGCAAGAGAGAAAAACAGTGACCACCCAGAGGGCAGGGGGTGACA AAACTTGTAGGCTAATGCTGCAAAAGCCCTTGAAACTGGGGCCCCACACAAAAACCAGC AGGGGCGCCTCGGGGTCTGCGTGGGTCCCCCTGCTGCCCCCTGGAAAGGCGCTTTTTCC ACTGGGTTTTTTGTGAGTCTTTCTTCCCGCCGGCCCGATTACCCTTTAGGAACCTTG CCAATTTCTTGATCTGGGAAACAAAATAAGCATTGCCCCAAAGCACTGGGGCTGGGCCA TGGGAATCTTTTGTCTTTAAGGCCCTCTAGGGGAAATTTTTCGGGGAAAATTTTT CCCGGACCATCCCTCAGGGTTGGGCTCCCAACCAAGGACACAAGACTGTCCACCTTCCC GAGGGGCTTTCCACCAGGACCTGTCCGGGGGGCCACCAAGGGCTTGGGCACCCCCAC CCAAGGCCAACCGCTAAAGGGAAGTCTTGGGACACCCTCCTGTACCGACTTTCTTT GGCTTGGGGAAGACCACTTTGACCACGCTTTTTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_024735
Insert Size:	4000 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:	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:	<u>NM_024735.2</u> , <u>NP_079011.3</u>
RefSeq Size:	3635 bp
RefSeq ORF:	1620 bp
Locus ID:	79791
UniProt ID:	<u>Q5XUX0</u>
Cytogenetics:	16q24.2
Domains:	F-box
Protein Families:	Druggable Genome

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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).