

## Product datasheet for **SC107685**

### **FBXO44 (NM\_183413) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO44 (NM_183413) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO44
Synonyms:	FBG3; FBX6A; FBX30; Fbx44; Fbxo6a
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107685 sequence for NM_183413 edited (data generated by NextGen Sequencing)

```
ATGGCTGTGGGAACATCAACGAGCTGCCCGAGAACATCCTGCTGGAGCTGTTCACGCAC
GTGCCCGCCCGCCAGCTGCTGCTGAACTGCCGCCTGGTCTGCAGCCTCTGGCGGGACCTC
ATCGACCTCGTGACCCTCTGAAACGCAAGTGCCTGCGAGAGGGCTTCATCACTGAGGAC
TGGGACCAGCCCGTGGCCGACTGGAAGATCTTCTACTTCTACGGAGCCTGCACAGGAAC
CTCCTGCACAACCCGTGCGCTGAAGAGGGGTTTCGAGTTCTGGAGCCTGGATGTGAATGGA
GGCGATGAGTGAAGGTGGAGGATCTCTCTCGAGACCAGAGGAAGGAATCCCCAATGAC
CAGGTTTCGAGCCAGGCCAGATTGCGGGTCCAAGTACCAGCTGTGCGTTCAGCTCCTGTC
GTCCGCGCACGCGCCTCTGGGGACCTTCCAGCCAGACCCGGCGACCATCCAGCAGAAGAG
CGATGCCAAGTGGAGGGAGGTCTCCACACATTCTCCAACACTACCCGCCCGCGTCCGCTA
CATCTGGTTTCAGCACGGCGCGTGGACACTCATTACTGGGCCGGCTGGTACGGCCCGAG
GGTCACCAACAGCAGCATCACCATCGGGCCCCCGCTGCCCTGACACCCCTGAGCCCCCA
TCTGCTGAACCCTGA
```

Clone variation with respect to NM\_183413.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_183413 unedited</p> <pre> NGGGCAATATTTGTATACGACTCATATAGGGCGGCCGCGATTCCGGCACGAGGCTTGGGCG GCCCAGCGGATCGTGCCGCGGGCCGAGCGCAGCTACAGGAGGGTGTCCAGAAGCCACA AGCCATGGCTGTGGGGAACATCAACGAGCTGCCGAGAACATCCTGCTGGAGCTGTTTAC GCACGTGCCCGCCCGCCAGCTGCTGCTGAACTGCCGCCTGGTCTGCAGCCTCTGGCGGGA CCTCATCGACCTCGTGACCCTCTGAAAACGCAAGTGCCTGCGAGAGGGCTTCATCAGTGA GGACTGGGACCAGCCCGTGGCCGACTGGAAGATCTTCTACTTCTTACGGAGCCTGCACAG GAACCTCCTGCACAACCCGTGCGCTGAAGAGGGGTTTCGAGTTCTGGAGCCTGGATGTGAA TGGAGGCGATGAGTGGAAGGTGGAGGATCTCTCTCGAGACCAGAGGAAGGAATCCCCAA TGACCAGGTTTCGACGCCAGGCCAGATTGCGGGTCCAAGTACCAGCTGTGCGTTCAGCTCC TGTCTGCCGCGCACGCGCCTCTGGGGACCTTCCAGCCAGACCCGGCGACCATCCAGCAGA AGAGCGATGCCAAGTGGAGGGAGGTCTCCACACATTCTCCAACCTACCCGCCGGCGTCC GCTACATCTGGTTTCAGCACGGCGGCGTGGACACTCATTACTGGGCCGGTGTACGGCC CCGAGGTACCAACAGCAGCATACCATCGGGCCCCCGTGCCCTGACACCCCTGAGCC CCCATCTGCTGAACCCTGACTGGTAAACAACCTGCTGTCANAAAAGGGCTGNNGCTTGNGA AGGGGNAGGTGGAGGCCAGGTGTCCCCAGAACTCTAACCTGCCCTACAGCCTCTTCTT GTGGAGC </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_183413 unedited</p> <pre> CCTTTTTTTGGTGCATGCAGTAGGGGCGAATCAGGAGAACACTGCTATCTTTCCAGCAG GACAAGAGGCAAGTTCAGGGTGGTTGGCTGGGAGACAGAGGTCTTGGGAATGGCAGTTC TAGGGGTGGGGTGGGGCTTGAATGCTCTCAAGCCAGAGGGGGCCGGCCTGGATTTG GGAGGTGGACAGGGGATTCTTCAAACCCCTACCATACTCATCCAGGGCTCATGTGTCCA GCTGTGACAGCAGGTCCCAATCCTGCTCCCATCTACCCTGGGACATCCTGTACAGGATT CCCTCAGTCTCTGGAAACCTAACCCACCTGGTACCCATCTAGTCTTCTGGGGCTCCACT GACAGTGAGGACAGTCCACACCCGACCTGGACCCACCCACCCCTGGGTCTGTCCATCTC AGTCCCGCCTGAGCCTCTGGGCCAAAGCCACCTCTTCTGAGCAGGCAGGCAGAGCGAGA GACTGGGAGCAGCAGACAGGGGCAGAGCACGGCCCATGAGCCACCCCTCCACTTCCAGAG TTGGTCAGAGTTACATGGTCACCTCCCTGCACCTGCACCATCAGGGCAGTGAAGCTTG CCAGTTGTCTTGCCTGTCCCTGCTCCGAGGGTCAAAGAACACAGGTAGAATGGTCCCAGG AGGGGAAGGGAGAGACAGATCCAGGCTGGCCTCCAAGCTCGACTTCTGAGGGGCCAGG GGAACATGCTGCACCTNCCACATCTCANGTGCTCCGTCTCTGAAGGGGCACACGCAGGCT TTCCNCGCCATCATTANGTCAAGACCTTTCGGGGAGAGCTGCCCGCCCGCAGCATGCGA GGGCTGCCACACTGANAGGGCTCCACAAGAAAAGCTGCTAGGGGCAAGGNNTANNAGT CTGGGACACCTGNNCTNCACTNCTTNCAGNCCAGCCTTNTNTGCAGCANTGTTTACAN TCAGGGTCANCNATGGGGCTCANGGNTGTCAGGGCACGGGGCCCTATG </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_183413
<b>Insert Size:</b>	1950 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_183413.2](#), [NP\\_904320.1](#)

**RefSeq Size:** 2823 bp

**RefSeq ORF:** 675 bp

**Locus ID:** 93611

**UniProt ID:** [Q9H4M3](#)

**Cytogenetics:** 1p36.22

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class. It is also a member of the NFB42 (neural F Box 42 kDa) family, similar to F-box only protein 2 and F-box only protein 6. Several alternatively spliced transcript variants encoding two distinct isoforms have been found for this gene. [provided by RefSeq, Feb 2015]

Transcript Variant: This variant (3) uses an alternate splice junction at the 3' end of an internal exon and lacks an alternate internal exon compared to variant 1, that causes a frameshift. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1. Variants 2, 3, and 5 all encode the same isoform (2).