

## Product datasheet for **SC320134**

### **FBXO44 (NM\_183412) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FBXO44 (NM_183412) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO44
Synonyms:	FBG3; FBX6A; FBX30; Fbx44; Fbxo6a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_183412.2  
 GCTTGGGCGGCCAGCGGATCGTGCCGCGGCGGCCGAGCGCAGCTACAGGAGGGTGTCCA  
 GAAGCCACAAGCCATGGCTGTGGGGAACATCAACGAGCTGCCCGAGAACATCCTGCTGGA  
 GCTGTTACGCACGTGCCCGCCGCGCAGCTGCTGCTGAACTGCCGCTGGTCTGCAGCCT  
 CTGGCGGACCTCATCGACCTCGTGACCCTCTGGAAACGCAAGTGCCTGCGAGAGGGCTT  
 CATCACTGAGGACTGGGACCAGCCCGTGGCCGACTGGAAGATCTTCTACTTCTTACGGAG  
 CCTGCACAGGAACCTCCTGCACAACCCGTCGCTGAAGAGGGGTTTCGAGTTCTGGAGCCT  
 GGATGTGAATGGAGGCGATGAGTGGAGGTGGAGGATCTCTCTCGAGACCAGAGGAAGGA  
 ATTCCCAATGACCAGGTTTCGACGCCAGCCAGATTGCGGGTCCAAGTACCAGCTGTGCG  
 TTCAGCTCCTGTCTGCCGCGCACGCGCCTCTGGGGACCTTCCAGCCAGACCCGGCGACCA  
 TCCAGCAGAAGAGCGATGCCAAGTGGAGGGAGGTCTCCACACATTCTCCAACACCCGC  
 CCGGCGTCCGCTACATCTGGTTTACGACGCGGCGGTGGACACTCATTACTGGGCGGCT  
 GGTACGGCCCGAGGGTACCAACAGCAGCATCACCATCGGGCCCCCGCTGCCCTGACACC  
 CCCTGAGCCCCATCTGCTGAACCCTGACTGGTAAACAAGTGTGTCAGAAAAGGGCTGG  
 GCTTGGGAAGGGGAGGTGGAGGCCAGGTGTCCCAGACCTTAACCTTGGCCCTAGCAG  
 CCTCTTCTTTGTGGAGCCTCTCAGTGTGGCAGCCCTCGCATGCTGGGGTTCGGGCCAGCT  
 CTCCCCGAAAGGTCTTGACCTGAATGATGGCCGGGAAGCCTGCGTGTGCCCTTTCAGA  
 GACGGAGCACCTGAGATGTGGGAGGTGCAGCATGTTCCCTGGGCCCTCAGAAAGTCGA  
 GCTTGGAGGCCAGCCTGGATCTGTCTCTCCCTTCCCTCCTGGGACCATCTACCTGTGT  
 TCTTTGACCTCGGAGCAGGGACAGGCAAGACAAGTGGCAAGCTTGCAGCTGCCCTGATG  
 GTGCAGGTGCAGGGAGGTGACCATGTAAGTCTGACCAATCTGGGAAGTGGAGGGTGGGT  
 CATGGGCGTGCCTGCCCTGTCTGCTGCTCCAGTCTTTCGCTCTGCCTGCCTGCTCA  
 GAAGAGGTGGCTTTGGCCAGAGGCTCAGGCCGGGACTGAGATGGACAGACCCAGGGTGG  
 GGTGGGTCCAGTCCGGGTGGACTGTCTCACTGTCAGTGGAGCCCCAGAAGCTAGAT  
 GGTACCAGGTGGGGTTAGGTTCCAGAGGACTGAGGGAATCCTGTACAGGATGTCCAG  
 GGTAGATGGGAGCAGGATTGGGACCTGCTCTGACAGCTGGACACATGAGCCCTGGATGA  
 GTATGGTAGGGGTTTGAAGAATCCCTGTCCACCTCCCAATCCAGGCCCGGCCCTC  
 TGGCTTGGAGAGCATTCCAAGCCCCACCCACCCCTAGAACTGCCATTCCAAGACCTC  
 TGTCTCCAGCCAACCACCTTGGAACTGCCTCTTGTCTGCTGGAAAGATAGCAGTGT  
 TCTCTGACTTCGCCCTACTGCATGCAGCAAATAAAAGGTGTGCCAGTCTAAAAAAA  
 AAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_183412

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:** [NM\\_183412.2](#), [NP\\_904319.1](#)

**RefSeq Size:** 2934 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 (2) differs in the 5' UTR, 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).