

Product datasheet for **SC311243**

FBXO44 (NM_033182) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO44 (NM_033182) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO44
Synonyms:	FBG3; FBX6A; FBX30; Fbx44; Fbxo6a
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_033182 edited
ATGGCTGTGGGGAACATCAACGAGCTGCCCGAGAACATCCTGCTGGAGCTGTTACGCAC
GTGCCCGCCCGCCAGCTGCTGCTGAACCTGCCGCCTGGTCTGCAGCCTCTGGCGGGACCTC
ATCGACCTCGTGACCCTCTGGAAACGCAAGTGCCTGCGAGAGGGCTTCATCACTGAGGAC
TGGGACCAGCCCGTGGCCGACTGGAAGATCTTCTACTTCTTACGGAGCCTGCACAGGAAC
CTCCTGCACAACCCGTGCGCTGAAGAGGGGTTTCGAGTTCTGGAGCCTGGATGTGAATGGA
GGCGATGAGTGAAGGTGGAGGATCTCTCTCGAGACCAGAGGAAGGAATCCCAATGAC
CAGGTCAAGAAATACTTCGTTACTTCATATTACACCTGCCTCAAGTCCCAGGTGGTGGAC
CTCAAGGCCGAAGGTATTGGGAGGAGCTGATGGATACCACACGGCCGGACATCGAGGTC
AAGGACTGGTTTCGAGCCAGGCCAGATTGCGGGTCCAAGTACCAGCTGTGCGTTCAGCTC
CTGTCTCGTCCGCGCACGCGCCTCTGGGGACCTTCCAGCCAGACCCGGCGACCATCCAGCAG
AAGAGCGATGCCAAGTGGAGGGAGGTCTCCACACATTCTCCAATACCCGCCCGCGCTC
CGCTACATCTGGTTTTCAGCACGGCGCGTGGACTCATTACTGGGCCGGCTGGTACGGC
CCGAGGGTCACCAACAGCAGCATCACCATCGGGCCCCCGCTGCCCTGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_033182 unedited GTTTACATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCGCAGGTCCA GGCGGTGCAGCTTGGGCGGCCAGCGGATCGTGCCGCGGCGGCCGAGCGCAGTACAGGAG GGTGTCCAGAAGCCACAAGCCATGGCTGTGGGGAACATCAACGAGCTGCCCGAGAATC CTGCTGGAGCTGTTACGCACGTGCCCGCCCGCAGCTGCTGCTGAACTGCCGCCTGGTC TGCAGCCTCTGGCGGGACCTCATCGACCTCGTGACCCTCTGAAACGCAAGTGCCTGCCA GAGGGCTTCATCACTGAGGACTGGGACCAGCCCGTGCCGACTGGAAGATCTTCTACTTC TTACGGAGCCTGCACAGGAACCTCCTGCACAACCCGTGCGCTGAAGAGGGTTTCGAGTTC TGGAGCCTGGATGTGAATGGAGGCGATGAGTGAAGGTGGAGGATCTCTCTCGAGACCAG AGGAAGGAATTCCTCAATGACCAGGTCAAGAAATACTTCGTTACTTCATATTACACTGC CTCAAGTCCCAGGTGGTGGACCTCAAGGCCGAAGGGTATTGGGAGGAGCTGATGGATAAC ACACGGCCCGACATCGAGGTCAAGGACTGGTTCGCAGCCAGGCCAGATTGCGGGTCCAAG TACCAGCTGTGCGTTAGCTCCTGTCGTCGCGCACGCGCCTCTGGNGACCTTCCAGCCA GACCCGGCGACCATCCAGCAGAAGAGCGATGCCAAGTGGAGGGAGGTCTCCACACATTC TCCCACTACCCGCGCGGTCCGCTACATCTGGTTTCAGCACGGCGGCGTGGACACTCAT TACTGGGCCCGGCTGGTACGGCCCGAGG</p>
3' Read Nucleotide Sequence:	<p>>Forward primer walk for NM_033182 unedited GTCCGCGCAGCGCNTGGGGACTTCCACCGAACCGCGACCATCCACAAAAGACGATGCCA AGTGGAGGGAGGTCTCCACACATTCTCCAACCTACCCGCCGCGTCCGCTACATCTGGT TTCAGCACGGCGCGTGGACACTATTACTGGGCCGGCTGGTACGGCCCGAGGGTACCA ACAGCAGCATCACCATCGGGCCCCGCTGCCCTGACACCCCTGAGCCCCATCTGCTGA ACCCTGACTGGTAAACAAGTGTGTCAGAAAAGGGCTGGGCTTGGGAAGGGGAGGTGGAG GCCAGGTGTCCCAGACCTCTAACCCCTTCCCCCTAGCAGCCTCTTCTTTGTGGAGCCTCT CAGTGTGGGCAGCCCTCGCATGCTGGGGTGGGCCAGCTCTCCCCGAAAGGTCTTGACCT GAATGATGGCCGGGAAGCCTGCGTGTGCCCTTTTCAGAGACGGAGCACCTGAGATGTGG GAGGTGCAGCATGTTCCCTGGGCCCCCAGAAAAGTTCGAGCTTGGAGGCCAGCCTGGATC TGTCTCTCCCTTCCCCTCCTGGGACCATTTACCTGTGTTCTTTGACCCTCGGAGCAGGG ACAGGCAAGACAAGTGGCAAGCTGTCAGCTGCCCTGATGGTGCANGTGCAGGGAGGTGAC CATGTAAGTCTGACCAATCTGGGAGTGGAGGGTGGGCTCATGGGCCGTGCTCTGCCCGT CTGCTGCTCCAGTCTTTTCGCTCTGCCTGCCTGCTCAGAAGAAGTGGCTTTGGCCAGAG CTCANGCCGGGACTGAGATGGACAGACCCAGGGTGGGGTGGNGTCCCAGTCCGGGTGTGGA CTGTCCTCACTGTC</p>
Restriction Sites:	Please inquire
ACCN:	NM_033182
Insert Size:	2000 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_033182.5](#), [NP_149438.2](#)

RefSeq Size: 2948 bp

RefSeq ORF: 768 bp

Locus ID: 93611

UniProt ID: [Q9H4M3](#)

Cytogenetics: 1p36.22

Domains: F-box, FBA

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 (1) encodes the longer isoform (1). Variants 1, 4, and 6 all encode the same isoform (1).