

Product datasheet for **SC311466**

FBXO4 (NM_033484) Human Untagged Clone

Product data:

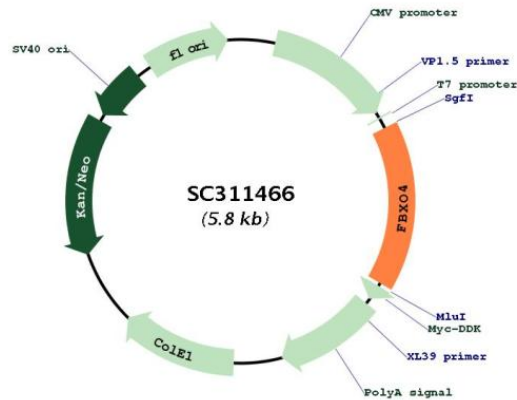
Product Type:	Expression Plasmids
Product Name:	FBXO4 (NM_033484) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO4
Synonyms:	FBX4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311466 representing NM_033484. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCGGGAAGCGAGCCGCGCAGCGGAACAACTCGCCGCCGCCCTTCAGCGACTGGGGCCGCTG
GAGGCGGCCATCCTCAGCGGCTGGAAGACCTTCTGGCAGTCAGTGAGCAAGGAGGGTGGCGCGTACG
ACCTCACGGGAGGAGGTGGATGAGGCGGCCAGCACCTGACGCGGCTGCCGATTGATGTACAGCTATAT
ATTTTGCCTTTCTTTCACCTCATGATCTGTGTCAGTTGGGAAGTACAAATCATTATTGGAATGAACT
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TACATGGCAGTCTATAGAATGTGCTGTCCATACACAAGAAGAGCTTCAAATCCAGCCGCTCTATGTAT
GGAGCTGTCACTTCTTTTTTACACTCCCTGATCATT CAGAATGAACCACGATTTGCTATGTTGGACCA
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GCAGTTAAACAAGATGTT CAGTCGACACAATGAAGTGATGATCAACAAGGAAGCCGGTACAGTGTGATT
CCACAGATTCAAAAGTGTGTAAGTTGTAGATGGGTTTCACTATGTTGCAAATGCTGAAGCTCATAAA
AGTAAGTACTCATATGTACATTTT TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_033484

Insert Size: 924 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: 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_033484.2](#)

RefSeq Size: 1745 bp

RefSeq ORF: 924 bp

Locus ID:	26272
UniProt ID:	Q9UKT5
Cytogenetics:	5p13.1
Domains:	F-box
Protein Families:	Druggable Genome
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	35 kDa

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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (2) lacks two exons and its transcription extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR compared to variant 1. It encodes isoform 2 which is shorter and has a distinct C-terminus, compared to isoform 1.