

Product datasheet for **SC320123**

FBXO2 (NM_012168) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FBXO2 (NM_012168) Human Untagged Clone
Tag: Tag Free
Symbol: FBXO2
Synonyms: FBG1; Fbs1; FBX2; NFB42; OCP1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_012168.4
ACAGACGGGACAGCGCCGGGACTCGCCGCCCGGGACTCGCGCAGCCCGCAGCGCTCCG
GCTCCTCTCGCGACCCTCCGCGAGGAGCGGACGAGAGCGTGACCCAGAGAGCGT
GGGCCAGCCGAGGAGGCAAGCCCGGAGGAGCAGCCAGAGGAGGCGAGTGCTGAGGAGGA
GCGGCCGAGGACCAGCAGGAGGAGGAGCGCGCCCGCCGCGTACCTGGACGAGCT
GCCCGAGCCGCTGCTGCTGCGCGTCTGGCCGACTGCCGGCCGCGAGCTGGTGACGGC
CTGCCGCTGGTGTGCCTGCGCTGGAAGGAGCTGGTGGACGGCGCCCGCTGTGGCTGCT
CAAGTGCCAGCAGGAGGGGCTGGTGCCGAGGGCGGCGTGGAGGAGGAGCGGACCACTG
GCAGCAGTTCTACTTCTGAGCAAGCGGCGCCGAACCTTCTGCGTAACCCGTGTGGGA
AGAGGACTTGAAGGCTGGTGTGACGTGGAGCATGGTGGGACGGCTGGAGGGTGGAGGA
GCTGCCTGGAGACAGTGGGTGGAGTTCACCCACGATGAGAGCGTCAAGAAGTACTTCGC
CTCCTCCTTTGAGTGGTGTGCGAAAGCACAGGTCATTGACCTGCAGGCTGAGGGCTACTG
GGAGGAGCTGCTGGACACGACTCAGCCGCCATCGTGGTGAAGGACTGGTACTCGGGCCG
CAGCGACGCTGGTTGCCTCTACGAGCTCACCGTTAAGCTACTGTCCGAGCACGAGAACGT
GCTGGCTGAGTTCAGCAGCGGGCAGGTGGCAGTGCCCCAAGACAGTGACGGCGGGGGCTG
GATGGAGATCTCCACACCTTACCAGTACGGGCCGGGCGTCCGCTTCGTCCGCTTCGA
GCACGGGGGGCAGGACTCCGCTACTGGAAGGGCTGGTTCCGGGGCCCGGGTGACCAACAG
CAGCGTGTGGGTAGAACCCTGAGCGACCCTGCCTCCGCTCTCCCCAGCTGCCTGGAGGG
GCAAAGGTGAGGGTAGATAGGCCTTAACCTTAGTCCATAGCGTCTCACCTTCCCCAAGC
CACACATCCTCCTCCATCCCTTGTCTCCGATCCAGCCCTGAGCAGGGAGAGAGAAGTT
TTGTTGGCATAGTGTGCTTAGGTAGCCGCTTCTAGAATGTAGATCCGTGAGGGCGTGA
GCTTGGACTGGACCCACTGCTGATTCCCTGCACCTAGCACAGTGTGCCACAAAGTGGG
CTCTCAATAAATATTATTTGTCCAAGGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_012168



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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:	<ol style="list-style-type: none">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_012168.4 , NP_036300.2
RefSeq Size:	1551 bp
RefSeq ORF:	891 bp
Locus ID:	26232
UniProt ID:	Q9UK22
Cytogenetics:	1p36.22
Domains:	F-box, FBA
Protein Families:	Druggable Genome
Protein Pathways:	Ubiquitin mediated proteolysis
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. This protein is highly similar to the rat NFB42 (neural F Box 42 kDa) protein which is enriched in the nervous system and may play a role in maintaining neurons in a postmitotic state. [provided by RefSeq, Jul 2008]