

Product datasheet for **SC124348**

FBXO21 (NM_033624) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO21 (NM_033624) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO21
Synonyms:	FBX21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_033624 edited
 GCGGCCCCAGGTACGCGGACAAGATGGCGGCGGCAGCAGTCGACAGCGCGATGGAGGTGG
 TGCCGGCGCTGGCGGAGGAGGCCGCGCGGAGGTAGCGGGCCTCAGCTGCCTCGTCAACC
 TGCCGGGTGAGGTGCTGGAGTACATCCTGTGCTGCGGCTCGTGACGGCCGCCGACATCG
 GCCGTGTCTCCAGCACCTGCCGGCGGCTGCGCGAGCTGTGCCAGAGCAGCGGGAAGGTGT
 GGAAGGAGCAGTCCGGGTGAGGTGGCCTCCCTTATGAAACACTACAGCCCCACCGACT
 ACGTCAATTGGTTGGAAGAGATATAAGTTCGGCAAAAAGCTGGGTTAGAAGCGCGGAAGA
 TTGTAGCCTCGTTCTCAAAGAGGTTCTTTTCAGAGCACGTTCTTGTAAATGGCTTCAGTG
 ACATTGAGAACCTTGAAGGACCAGAGATTTTTTTTGGAGTGAAGTGGTGTGTATCCTAA
 ATATGGAAGGAAGAAAAGCTTTGACCTGGAAATACTACGCAAAAAAATCTTTACTACC
 TGCGGCAACAGAAGATCTTAAATAATCTTAAGGCCTTTCTTCAGCAGCCAGATGACTATG
 AGTCGTATCTTGAAGGTGCTGTATATATTGACCAGTACTGCAATCCTCTCTCCGACATCA
 GCCTCAAAGACATCCAGGCCAAATTGACAGCATCGTGGAGCTTGTTCGAAAACCCCTTC
 GGGGCATAAACAGTCGCCACCCAGCTTGGCCTCAAGGCAGGTGAATCATCCATGATAA
 TGGAAATAGAATCCAGAGCCAGGTGCTGGATGCCATGAACTATGTCCTTACGACCAAC
 TGAAGTTCAGGGGAATCGAATGGATTACTATAATGCCCTCAACTTATATATGCATCAGG
 TTTTGATTTCGAGAACAGGAATCCCAATCAGCATGTCTGTCTCTATTTGACAATTGCTC
 GGCAGTTGGGAGTCCCCTGGAGCCTGTCAACTCCCAAGTCACTTCTTATTAAGGTGGT
 GCCAAGGCGCAGAAGGGGCGACCCTGGACATCTTTGACTACATCTACATAGATGCTTTTG
 GGAAAGGCAAGCAGCTGACAGTGAAGAATGCGAGTACTTGATCGGCCAGCACGTGACTG
 CAGCACTGTATGGGGTGGTCAATGTCAAGAAGGTGTTACAGAGAATGGTGGGAAACCTGT
 TAAGCCTGGGGAAGCGGGAAGGCATCGACCAGTCATACCAGCTCCTGAGAGACTCGCTGG
 ACTCTATCTGGCAATGTACCCGACCAGGTGCAGCTTCTCTCCTCAAGCCAGGCTTT
 ACTTCCACCTGGGAATCTGGCCAGAGAAGTCTTTCTGTCTTGTGTTTGAAGGTGCTTGACA
 TCTCCAGCACATCCAAACCCTAGACCCGGGCGCAGCACGGGGCGGTGGGTACCTGGTGC
 AGCACACTCTAGAGCACATTGAGCGCAAAAAGGAGGAGGTGGGCGTAGAGGTGAAGCTGC
 GCTCCGATGAGAAGCACAGAGATGTCTGCTACTCCATCGGGCTCATTATGAAGCATAAGA
 GGTATGGCTATAACTGTGTGATCTACGGCTGGGACCCACCTGCATGATGGGACACGAGT
 GGATCCGGAACATGAACGTCCACAGCCTGCCGACGGCCACCACCAGCCTTTCTATAACG
 TGCTGGTGGAGGACGGCTCCTGTGATACGCAGCCCAAGAAAACCTGGAATATAACGTGG
 AGCCTCAAGAAATCTCACACCCTGACGTGGGACGCTATTTCTCAGAGTTTACTGGCACTC
 ACTACATCCCAAACGCAGAGCTGGAGATCCGGTATCCAGAAGATCTGGAGTTTGTCTATG
 AAACGGTGCGAATATTTACAGTGCAAAGAAAAGAGAACATAGATGAGTAAAGTCTAGAGA
 GGACATTGCACCTTTGCTGCTGCTGCTATCTTCCAAGAGAACGGGACTCCGGAAGAAGAC
 GTCTCCACGGAGCCCTCGGGACCTGCTGCACCAGGAAAGCCACTCCACCAGTAGTGTGG
 TTGCCTCTACTAAGTTTAAATACCGTGTGCTCTTCCCAGCTGCAAAGACAATGTTGCT
 CTCCGCCTACACTAGTGAATTAATCTGAAAGGCACTGTGTCAGTGGCATGGCTTGTATGC
 TTGTCTGTGGTACAGTTTGTGACATTCTGTCTTCATGAGTCTCACAGTCGACGCTCC
 TGTAACTATTCTTTGATTCACTCCATCCCCTGTCTGTCTGCATTTGTCTCAGAACATT
 TCCTTGGCTGGACAGATGGGGTTATGCATTTGCAATAATTTCTTCTGATTTCTCTGTGG
 AACGTGTTGCGTCCCGAGTGAGGACTGTGTGCTTTTTTACCCTGAAGTTAGTTGCATATT
 CAGAGGTAAGTGTGTGCTATCTTGGCAGCATCTTAGAGATGGAGACATTAACAAGCTA
 ATGGTAATTAGAATCATTGAAATTTATTTTTTCTAATATGTGAAACACAGATTTCAAGT
 GTTTTATCTTTTTTTTTAAATTTAAATGGGAATATAACACAGTTTTCCCTTCCATATTC
 CTCTTTGAGTTTATGCACATCTATAAATCATTAGTTTTCTATTTTATTACATAAAAT
 TCTTTTAGAAAAATGCAAATAGTGAATTTGTGAATGGATTTTTCCATACTCATCTACAAT
 TCCTCCATTTTAAATGACTACTTTTATTTTTTAAATTTAAAAAATCTACTTCAGTATCATG
 AGTAGGCTTACATCAGTGATGGGTTCTTTTGTAGTGAGACATACAAATCTGATGTTAA
 TGTTTGCTCTTAGAAGTCATACTCCATGGTCTTCAAAGACCAAAAAAATGAGGTTTTGCT
 TTTGTAATCAGGAAAAAAAAAATTAATGAACCTTAAAAAAAAAAAAAAAA

Restriction Sites:

NotI-NotI

ACCN:	NM_033624
Insert Size:	2900 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 ORF of this clone has been fully sequenced and found to be a perfect match to NM_033624.2.
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:	<u>NM_033624.2</u> , <u>NP_296373.1</u>
RefSeq Size:	4248 bp
RefSeq ORF:	1887 bp
Locus ID:	23014
UniProt ID:	<u>O94952</u>
Cytogenetics:	12q24.22
Domains:	F-box
Gene Summary:	<p>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 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. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) contains an additional 21 nt fragment within the coding region, and thus encodes a 7 aa longer isoform than variant 2.</p>