

## Product datasheet for SC126942

### FBXO22 (NM\_147188) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO22 (NM_147188) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO22
Synonyms:	FBX22; FISTC1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126942 sequence for NM_147188 edited (data generated by NextGen Sequencing)

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ATGGAGCCGGTAGGCTGCTGCGGCGAGTGCCGCGGCTCCTCCGTAGACCCGCGGAGCACC
TTCGTGTTGAGTAACCTGGCGGAGGTGGTGGAGCGTGTGCTCACCTTCTGCCCGCCAAG
GCGTTGCTGCGGGTGGCCTGCGTGTGCCCTTATGGAGGGAGTGTGTGCCGAGAGTATTG
CGGACCCATCGGAGCGTAACCTGGATCTCCGAGGCCTGGCGGAGGCCGCCACCTGGAG
GGGCATTGCTTGGTTCGCGTGGTAGCAGAGGAGCTTGAGAATGTTGCGATCTTACCACAT
ACAGTTCTTTACATGGCTGATTCAGAACTTTTCATTAGTCTGGAAGAGTGTGCGTGGCCAT
AAGAGAGCAAGGAAAAGAACTAGTATGGAACAGCACTTGCCTTGAGAAGCTATCCCC
AAACAATGCCAAGTCCTTGGGATTGTGACCCAGGAATTGTAGTACTCCAATGGGATCA
GGTAGCAATCGACCTCAGGAAATAGAAATTGGAGAATCTGGTTTTGCTTTATTATCCCT
CAAATTGAAGGAATAAAAATACAACCCCTTCATTTTATTAAAGGATCCAAAGAATTAACA
TTAGAAAGACATCAACTCACTGAAGTAGGTCTTTTAGATAAACCTGAACTTCGTGTGGTC
CTTGTCTTTGGTTATAATTGCTGTAAGGTGGGAGCCAGTAATTATCTGCAGCAAGTAGTC
AGCACTTTTCAGTGATATGAATATCATCTTGGCTGGAGGCCAGGTGGACAACCTGTCATCA
CTGACTTCTGAAAAGAACCCTCTGGATATTGATGCCTCGGGTGTGGTTGGACTGTCATTT
AGTGGACACCGAATCCAGAGTGCCACTGTGCTCCTCAACGAGGACGTGAGTATGAGAAG
ACTGCTGAGGCTGCGATGCAGCGCCTCAAAGCGCCAACATCCAGAGCATAACACCATT
GGCTTCATGTTTGCATGCGTGGCAGGGCTTTTCAGTATTACAGAGCCAAGGGGAATGTT
GAGGCTGATGCATTTAGAAAGTTTTTTCCTAGTGTCCCTTATTGCGCTTCTTTGAAAT
GGAGAAATTGGATGTGATCGGATAGTCACTGGGAACTTTATATTGAGGAAATGTAATGAG
GTAAAAGATGATGATCTGTTTCATAGCTATACAACAATAATGGCACTCATACATCTGGG
TCATCTAAATAA

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Clone variation with respect to NM\_147188.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_147188 unedited  AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGGTCCGGCGGGCTGGT  GAGGAATGGAGCCGGTAGGCTGCTGCGCGAGTGCCGCGGCTCCTCCGTAGACCCGCGGA  GCACCTTCGTGTTGAGTAACCTGGCGGAGGTGGTGGAGCGTGTGCTCACCTTCCTGCCCG  CCAAGGCGTTGCTGCGGGTGGCTGCGTGTGCCGCTTATGGAGGGAGTGTGTGCGCAGAG  TATTGCGGACCCATCGGAGCGTAACCTGGATCTCCGAGGCCCTGGCGGAGGCCGGCCACC  TGGAGGGGCATTGCTTGGTTCGCGTGGTAGCAGAGGAGCTTGAGAATGTTCCGATCTTAC  CACATACAGTTCTTTACATGGCTGATTTCAGAACTTTTCATTAGTCTGGAAGAGTGTGCTG  GCCATAAGAGAGCAAGGAAAAGAACTAGTATGGAACAGCACTTGCCCTTGAGAAGCTAT  TCCCCAAACAATGCCAAGTCTTGGATTGTGACCCAGGAATTGTAGTACTCCAATGG  GATCAGGTAGCAATCGACCTCAGGAAATAGAAATTGGAGAATCTGGTTNTGCTTTATTAT  TCCCTCAAATTGAAGGAATAAAAATACAACCCTTTCATTTTATTAAGGATCCAAAGAATT  TAACATTAGAAAGACATCAACTCACTGAAGTAGGTCTTTTAGATACCCTGACTTCGNGTG  GCCTTGCTTTGTATATTGCTGTAGGGTGGAGCCAGTATTATCTGCAGCAGTAGTCAGC  ACTTTCATGATATGATATCATCTGGCCTGGAGCCAGGTGGACACCTGTATCACTGACTCT  GAAAGAACCTCTGATATGAGCCCTGGNGGGGGNTGGACTCCATTATGGACACGATTCA  GAGTGCCTGGCCTAAACAGGGACTAAGTAAAAAAAATGGTGGAGCTGGATCACGCTCAAC  GCCACATCN</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_147188 unedited  NTTCTGACTTGACCGCGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTGGAGTTC  CACGCTATGTTTTATTGGTATAAAAACAAAATAAGATGATGTAATACTCTGGTCTACCAG  TTAGTTAGCTATTTAGACCTAGGTGAAAAAAAAATTTTTTAAGGAAAGAAGAAAAATCT  TTTACTTATAATAAAAATACTGATTAGTCTTGCAATTTATCTGACCAAAACAAAAATAGT  TCTTTAATTTTTATCAAATAAGTAAAAAGTCAATAATAATATTGTTACTTCTGAAAAAAT  TCATAAACTGAAAGGCAGAGAAAAATTTCTCCAGCCATCAGTATATTTTTCTCCTTTAT  TAAGGGAGAAAAAGGTCTTCATGATTCTGCTAAAAGACATCACCTAACCAACGCAAGGGG  TAGTCAGGGAATGTCTTAAATCTATATCCTATTGATGAATACCCTTTTGTCTTCCTATG  CAGGAAGACTATTTAAGGTCATGTTACACAGCAGCTACATGATCTGGTGCACACAATA  TAATCAGTTTGTCTCTGCCTGATGCAAAAAGCTCAACTCCTAGTCAGTGTATGTCCAA  AGTTGCCTTTCATCTAATATATTAATACTACCCTCATGTGATCTTAGAGCATCAATCAA  AGCTACAAAAAAGATATATCTAAAGTTATTTTTGTTTGAATACACATGGCCCAAGTTTC  CATTTTCTGAAAAGGCAGAACCCAAAGTTACATATTATGAAAGCCAATTTAATTATTATT  TAGATGACCCAGATGTATGAGTGCCATTATTGTTGTATAGCTATGAAACAGATCATCAT  CTTTTACCTCATTACATTTNCTCATATAAAGNTNCCAGTGACTATCCGATCACTNCATTT  NCTNCTTTNCAAAGAAGCCCGATAGGGACACTNAGNAAAACT</p>
<b>Restriction Sites:</b>	ECoRI-NOT
<b>ACCN:</b>	NM_147188
<b>Insert Size:</b>	2090 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_147188.1](#), [NP\\_671717.1](#)

**RefSeq Size:** 2818 bp

**RefSeq ORF:** 1212 bp

**Locus ID:** 26263

**UniProt ID:** [Q8NEZ5](#)

**Cytogenetics:** 15q24.2

**Domains:** F-box

**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 and, as a transcriptional target of the tumor protein p53, is thought to be involved in degradation of specific proteins in response to p53 induction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.