

## Product datasheet for **SC304648**

### **FBXO42 (NM\_018994) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FBXO42 (NM_018994) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXO42
Synonyms:	Fbx42; JFK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC304648 representing NM\_018994.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCAGCTCCTCGGACAGTGAAGATGACAGTTTCATGGCTGTGGACCAGGAAGAACTGTGCTGGAA
GGGACAATGGATCAAGATGAGGAGCCCCACCCAGTATTGGAGGCTGAGGAGACTAGACATAATAGGTCC
ATGTCGGAGCTGCCAGAAGAGGTTTGGAGTATATCCTGTCCTTCTCTACCGTATCAGGAACACAAA
ACTGCGGCCCTTGTCTGCAACAGTGGTATCGACTTATCAAAGGTGTAGCCCATCAGTGTTATCATGGT
TTCATGAAGGCTGTCCAGGAAGGAAACATTCACTGGGAGAGCCGTACCTATCCTTATCCTGGAACCCCA
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CCCATGGCTGGCCACTCCTCCTGTGTGATAGATGATAAAATGATTGTCTTTGGTGCTCTTTAGGATCC
CGGCAATGAGCAATGATGTCTGGGTCTTGACCTTGAGCAGTGGGCGTGGTCCAAGCCGAACATCTCT
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CCCCGACGAGGATCACTACCAGATCAGAAAGATCTGAGATTAGGATCCATAGATCTGAATTGGGATCTG
AAACCCGCTTCCAGTAGTAATCCCATGGATGGCATGGACAATAGGACAGTTGGGGAAAGTATGAGACAC
CCTCCTGAACAGACAAATGGTGTGCATACCCACCTCACGTGGCCAGTGGCCTTGACGGGGCCGTCTCC
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GTGCCATCCCTCGCCAGGGCCTGCCAAGGAGATGGACATTCTTACCTCCCATTTGCTCGCCGCTG
GGCCACCACCCTCCACAGTCCCTAAATGTTGGCAAACCCCTATACCAGAGTATGAACTGCAAGCCCATG
CAGATGTACGTGCTGGACATTAAAGACACCAAGGAGAAGGGGCGGGTCAAATGGAAGTATTTAATAGC
AGTTCTGTGGTTGGACCTCCTGAAACCAGCCTGCATACCGTGGTACAAGGCAGGGGTGAACATCATATA
TTTGGAGGACTCATGGACAAGAAACAGAATGTGAAGTACTATCAAAAACAAACGCCTTGTAATTTGTA
CGAGCAAAGAGATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_018994  
**Insert Size:** 2154 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).

<b>OTI Annotation:</b>	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.
<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_018994.2</a></u>
<b>RefSeq Size:</b>	6253 bp
<b>RefSeq ORF:</b>	2154 bp
<b>Locus ID:</b>	54455
<b>UniProt ID:</b>	<u><a href="#">Q6P3S6</a></u>
<b>Cytogenetics:</b>	1p36.13
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	77.8 kDa
<b>Gene Summary:</b>	Members of the F-box protein family, such as FBXO42, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (SKP1A; MIM 601434), cullin (see CUL1; MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM, Dec 2010]