**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC320120

## FBXO4 (NM_012176) Human Untagged Clone

### Product data:

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| **Product Type:** | Expression Plasmids |
| **Product Name:** | FBXO4 (NM_012176) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | FBXO4 |
| **Synonyms:** | FBX4 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL5 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**Fully Sequenced ORF:**

>OriGene sequence for NM_012176.2
CGTCACCCACGCTGCGGGCAAGCCATGGCGGGAAGCGAGCCGCGCAGCGGAACAAACTCG
CCGCCGCCGCCCTTCAGCGACTGGGGCCGCCTGGAGGCGGCCATCCTCAGCGGCTGGAAG
ACCTTCTGGCAGTCAGTGAGCAAGGAGAGGGTGGCGCGTACGACCTCACGGGAGGAGGTG
GATGAGGCGGCCAGCACCCTGACGCGGCTGCCGATTGATGTACAGCTATATATTTTGTCC
TTTCTTTCACCTCATGATCTGTGTCAGTTGGGAAGTACAAATCATTATTGGAATGAAACT
GTAAGAGATCCAATTCTGTGGAGATACTTTTTGTTGAGGGATCTTCCTTCTTGGTCTTCT
GTTGACTGGAAGTCTCTTCCAGATCTAGAAATCTTAAAAAAGCCTATATCTGAGGTCACT
GATGGTGCATTTTTTGACTACATGGCAGTCTATAGAATGTGCTGTCCATACACAAGAAGA
GCTTCAAAATCCAGCCGTCCTATGTATGGAGCTGTCACTTCTTTTTTACACTCCCTGATC
ATTCAGAATGAACCACGATTTGCTATGTTTGGACCAGGTTTGGAAGAATTGAATACCTCT
TTGGTGTTGAGCTTGATGTCTTCAGAGGAACTTTGCCCAACAGCTGGTTTGCCTCAGAGG
CAGATTGATGGTATTGGATCAGGAGTCAATTTTCAGTTGAACAACCAACATAAATTCAAC
ATTCTAATCTTATATTCAACTACCAGAAAGGAAAGAGATAGAGCAAGGGAAGAGCATACA
AGTGCAGTTAACAAGATGTTCAGTCGACACAATGAAGGTGATGATCAACAAGGAAGCCGG
TACAGTGTGATTCCACAGATTCAAAAAGTGTGTGAAGTTGTAGATGGGTTCATCTATGTT
GCAAATGCTGAAGCTCATAAAAGACATGAATGGCAAGATGAATTTTCTCATATTATGGCA
ATGACAGATCCAGCCTTTGGGTCTTCGGGAAGACCATTGTTGGTTTTATCTTGTATTTCT
CAAGGGGATGTAAAAAGAATGCCCTGTTTTTATTTGGCTCATGAGCTGCATCTGAATCTT
CTAAATCACCCATGGCTGGTCCAGGATACAGAGGCTGAAACTCTGACTGGTTTTTTGAAT
GGCATTGAGTGGATTCTTGAAGAAGTGGAATCTAAGCGTGCAAGATGATTCTCTTTTCAG
ATCTTGGGAACTGAAACCATTTGAAATTTATTACTAAGGTCGTGATGTGAATATTTGCTC
AGTCAGCCCACCTTGTCCTGCCTTTTTGCAGATAGGCTTTCATTTGGACAGCTATAACTG
CTGTGTTTTTTATATTATTTTTACTCTTTACCATAAATCAATTACAAGAAAAGAGTTTCA
GTCCTAGTATTTAGCCCCAAAATGAACCTTTAAACATTTTTTTGGTAATTTTTATATTTT
CTGTCTTTTTAAAAATATTAAATTCTGGAAAAAACAAAAAAAAAAAAAAAA



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| **Restriction Sites:** | Please inquire |
| **ACCN:** | NM_012176 |
| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_012176.2, NP_036308.1 |
| **RefSeq Size:** | 1523 bp |
| **RefSeq ORF:** | 1164 bp |
| **Locus ID:** | 26272 |
| **UniProt ID:** | Q9UKT5 |
| **Cytogenetics:** | 5p13.1 |
| **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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]<br>Transcript Variant: This variant (1) encodes the longest isoform (1). |