

Product datasheet for **SC321929**

FBXL4 (NM_012160) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXL4 (NM_012160) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXL4
Synonyms:	FBL4; FBL5; MTDPS13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_012160.3
 CTTCCGGGTCGCGCTAGGCCGGGCTTGC GGCGGTTGTGCCGCATCTAGAGAGTCGGGGAG
 CCGCCCCCGCACCCAGGCCTTCTCGCGCTGCCTGGTGCCTGGTGAAGCCCGGGCGCGCG
 CCTCTCCCGGACCTGCAGGGTAAAAGAATGTCACATGTCAGCATTGTACCTGAAGTCA
 GCATGCAAAGTTCAGGGTACATGGATGAATGCCAACTTTTGCATTTCCCATGTGTATCCT
 GTGACCATTCTATCTGGGAACATCCTTCAAAGAGTTCATGCATCTACTGAGGACACCTG
 ACCTTTGAAGCTTCATAAATTCACATCTAGATGTCACCGGTCTTTCCCATGTTAACAGTT
 CTGACCATGTTTTATTATATATGCCTTCGGCGCCGAGCCAGGACAGCTACAAGAGGAGAA
 ATGATGAACACCCATAGAGCTATAGAATCAAACAGCCAGACTTCCCTCTCAATGCAGAG
 GTAGTCCAGTATGCCAAAGAAGTAGTGGATTTTCAGTTCCCATATGGAAGTGAGAATAGT
 ATGTCCTATACTATGTGGAATTTGGCTGGTGTACCAAATGATTCCCAAGTTCTGGTGAC
 TTTACTCAGACAGCTGTGTTTCGAACTTATGGGACATGGTGGGATCAGTGTCTAGTGCT
 TCCTTGCCATTCAAGAGGACGCCACCTAATTTTCAGAGCCAGGACTATGTGGAATTACT
 TTTGAACAACAGGTGTATCCTACAGCTGTACATGTTCTAGAACTATCATCCCGGAGCA
 GTCATTAGAATTCTCGTTGTTCTGCAAATCCTATTCCCAAATCCACCAGCTGAAGTA
 AGATGGGAGATTCTTTGGTCCAGAGAGACCTACGAAGGTGAATGCTTCCCAAGCTCGCCAG
 TTTAAACCTTGATTAAGCAGATAAATTTCCCAAAATCTTATACGACTGGAAGTAAAT
 AGTTCTCTTCTGGAATATTACACTGAATTAGATGCAGTTGTGCTACATGGTGTGAAGGAC
 AAGCCAGTGCTTCTCTCAAGACTTCACCTATTGACATGAATGATATAGAAGATGATGCC
 TATGCAGAAAAGGATGGTTGTGGAATGGACAGTCTTAACAAAAGTTTAGCAGTGTGTC
 CTCGGGAAGGGCCAAATAATGGGTATTTGATAAACTACCTTATGAGCTTATTCAGCTG
 ATCTGAAATCATCTTACACTACCAGACCTGTGTAGATTAGCACAGACTTGCAAATACTG
 AGCCAGCATTGCTGTGATCCTCTGCAATACATCCACCTCAATCTGCAACCATACTGGGCA
 AAAGTAGATGACACTTCTGGAATTTCTACAGTCTCGCTGCACCTTTGTCCAGTGGCTT
 AATTTATCTTGGACTGGCAATAGAGGCTTCATCTCTGTTGCAGGATTTAGCAGGTTTCTG
 AAGGTTTGTGGATCCGAATTAGTACGCCTTGAATTGTCTTGCAGCCACTTTCTTAATGAA
 ACTTGCTTAGAAGTTATTTCTGAGATGTGTCCAAATCTACAGGCCTTAAATCTCTCCTCC
 TGTGATAAGCTACCACCTCAAGCTTTCAACCACATTGCCAAGTTATGCAGCCTTAAACGA
 CTTGTTCTCTATCGAACAAAAGTAGAGCAAACAGCACTGCTCAGCATTGTGAACCTCTGT
 TCAGAGCTTCAGCACCTCAGTTTAGGCAGTTGTGTGATGATTGAAGACTATGATGTGATA
 GCTAGCATGATAGGAGCCAAGTGTAAAAACTCCGGACCTGGATCTGTGGAGATGTAAG
 AATATTACTGAGAATGGAATAGCAGAAGTGGCTTCTGGGTGTCCACTACTGGAGGAGCTT
 GACCTTGGCTGGTGCCTCAACTCTGCAGAGCAGCACCGGGTGTCTCACCAGACTGGCACAC
 CAGCTCCCAAACCTTGCAAAAACCTTTTCTTACAGCTAATAGATCTGTGTGTGACACAGAC
 ATTGATGAATTGGCATGTAATTGTACCAGGTTACAGCAGCTGGACATATTAGGAACAAGA
 ATGGTAAGTCCGGCATCCTTAAGAAAACCTGGAATCTTGTAAAGATCTTTCTTACTT
 GATGTGCTCTTCTGTTTCGAGATTGATAACAGAGCTGTGCTAGAAGTGAATGCAAGCTTT
 CCAAAAAGTGTTCATAAAAAAGAGCTTTACTCAGTGAATTAATATATGTTCTGTATTA
 TTAATGTGCTTTGTTGGGTTTAAATTTGGGATTGGTTTTGGGTTTTGTTTTAGTTGTT
 TTAATGGTAAGAATTAAGACATTTGTAGATTTTAAAGAAAAATGAAATTGTCCATTAA
 ATCAAGTAAAAATGTGCACAAATGTTTTATAAAAATACTGCAAGCACTTCTCTTCAAGAA
 TATGAGTGGATATTATTTTACCTTATGTTAATCAGTGATATGCTTTAGTCAATAATATG
 ATTGATAAAAAAATAACATGGAATCATGCTAACTTATTTTCAAAGGAACACTGAGCAATA
 AAGTATCGTGGCATTATGCAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_012160

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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.
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_012160.3](#), [NP_036292.2](#)

RefSeq Size: 2777 bp

RefSeq ORF: 1866 bp

Locus ID: 26235

UniProt ID: [Q9UKA2](#)

Cytogenetics: 6q16.1-q16.2

Domains: LRR, F-box, LRR_CC

Protein Families: Druggable Genome

Gene Summary:

This gene encodes a member of the F-box protein family, which are characterized by an approximately 40 amino acid motif, the F-box. F-box proteins constitute one subunit of modular E3 ubiquitin ligase complexes, called SCF complexes, which function in phosphorylation-dependent ubiquitination. The F-box domain mediates protein-protein interactions and binds directly to S-phase kinase-associated protein 1. In addition to an F-box domain, the encoded protein contains at least 9 tandem leucine-rich repeats. The ubiquitin ligase complex containing the encoded protein may function in cell-cycle control by regulating levels of lysine-specific demethylase 4A. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (1) encodes the functional protein. Both variants 1 and 2 encode the same protein. 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.