

Product datasheet for **SC115444**

FBXL7 (NM_012304) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXL7 (NM_012304) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXL7
Synonyms:	FBL6; FBL7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115444 sequence for NM_012304 edited (data generated by NextGen Sequencing)

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ATGGGCGCGAACAATGGCAAACAGTACGGCAGTGAGGGCAAAGGCAGCTCGAGCATCTCA
TCTGACGTGAGTTCAAGTACAGATCACACGCCCACTAAAGCCCAGAAGATGTGGCTACC
AGCGAAGACTCCGACCTGAGCATGCGCACACTGAGCACGCCAGCCAGCCCTGATATGT
CCACCGAATCTCCAGGATTTTCAAGATGGAAGGGGCTCGTCCACCTCCTCGTCTCCATC
ACCGGGGAGACGGTGGCCATGGTGCACCTCCCGCCCCGACCCGCTCACACACCCGCTC
ATCCGGCTCGCCTCCAGACCCCAAGAGGAGCAGGCCAGCATAGACCGGCTCCCGGACCAC
TCCATGGTGCAGATCTTCTCCTTCTGCCCACCAACCAGCTGTGCCGCTGCGCGCAGTG
TGCCGCCGCTGGTACAACCTGGCCTGGGACCCGCGGCTCTGGAGGACTATCCGCCTGACG
GGCGAGACCATCAACGTGGACCGCGCCCTCAAGGTGCTGACCCGACAGCTCTGCCAGGAC
ACCCCCAACGTGTGTCTCATGCTGGAACCGTAAGTGTGAGTGGTGCAGGCGGCTCACA
GACCGAGGGCTGTACACCATCGCCAGTGTGCCCCGAAGTGGAGGACTGGAAGTCTCA
GGCTGTTACAATATCTCAACGAGGCGCTTTTGTATGTTGTTGCCCTCTGCCCTAATCTG
GAGCACCTGGATGTGTGAGGATGTCTCAAAGTGACCTGCATCAGTTGACCCGGGAGGCC
TCCATTAAACTGTACCCCTTGCATGGCAAACAGATTTCCATCCGCTACCTGGACATGACG
GACTGCTTCGTGTGAGGACGAAGGCCTGCACACCATCGCGGCGCACTGCACGCAGCTC
ACCCACCTCTACCTGCGCCGCTGCGTCCGCTGACCGACGAAGGCCTGCGCTACCTGGTG
ATCTACTGCGCCTCCATCAAGGAGCTGAGCGTCAGCGACTGCCGCTTCGTGAGCGACTTC
GGCCTGCGGGAGATCGCCAAGCTGGAGTCCCGCTGCGGTACCTGAGCATCGCGCACTGC
GGCCGGGTACCGACGTGGGCATCCGCTACGTGGCCAAGTACTGCAGCAAGTGCCTAC
CTCAACGCGAGGGGCTGCGAGGGCATCACGACCACGGTGTGGAGTACCTCGCCAAGAAC
TGACCAAACTCAAATCCCTGGATATCGGCAAATGCCCTTTGGTATCCGACACGGGCTG
GAGTGCCTGGCCCTGAAGTGTCTCAACCTCAAGCGGCTCAGCCTCAAGTCTGCGAGAGC
ATCACCGGCCAGGGCTTGAGATCGTGGCCGCAACTGCTTTGACCTCCAGACGCTGAAT
GTCCAGGACTGCGAGGTCTCCGTGGAGGCCCTGCGCTTTGTCAAACGCCACTGCAAGCGC
TGCGTCATCGAGCACCAACCCGGCTTTCTTCTGA
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Clone variation with respect to NM_012304.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012304 unedited

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AAAATTTTGTAAACGACTCACTATAGGGCGGCCCGGATTTCGGCACGAGGGTCGGGCGG
GCTTTCCTCGGGCCGAGCGCGCAGGACGTGCGCCGACGCTATGGAGTGTCCCGGAGACG
GCGGGCATGACGGCTACAGGATGGGCGCGAACAATGGCAAACAGTACGGCAGTGAGGGCA
AAGGCAGCTCGAGCATCTCATCTGACGTGAGTTCAAGTACAGATCACACGCCCACTAAAG
CCCAGAAGAATGTGGCTACCAGCGAAGACTCCGACCTGAGCATGCGCACACTGAGCACGC
CCAGCCCAGCCCTGATATGTCCACCGAATCTCCAGGATTTCAAGATGGAAGGGGCTCGT
CCACCTCCTCGTCTCCATCACCGGGGAGACGGTGGCCATGGTGCATCCCGCCCCCGA
CCCGCCTCACACACCCGCTCATCCGGCTCGCCTCCAGACCCCAAGAGCAGGCCAGCA
TAGACCGGCTCCCGGACCACTCCATGGTGCAGATCTTCTCCTTCTGCCCACCAACCAGC
TGTGCCGCTGCGCGGAGTGTGCCGCGCTGGTACAACCTGGCCTGGGACCCGCGGCTCT
GGAGGACTATCCGCTGACGGGCGAGACCATCAACGTGGACCGCGCCCTCAAGGTGCTGA
CCCGCAGACTCTGCCAGGACACCCCAACGTGTGTCTCATGCTGGAACCGTAAGTGTCA
GTGGCTGCAGGCGGCTCACAGACCGAGGGCTGTACACCATCGCCAGTGTGCCCGAAC
TGANGCGACTGGAAGTCTCAGGCTGTTACAATATCTNCCAACGAGCCCGCTTTGATGTTG
TGTCCCTCTGNCCTAATCTGGAGCACCTGGATGTGTTGAGATGCTNCCAAGTGACCTGC
ATCAGCTTGACCCCGGGAGCCTNCAATNAACTGTACCCCTTGCATGGCAAACAGATTCCA
TN
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_012304 unedited TATAGCTATGCNACCGCGCCGCAATCTAGNGATCGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTACGAACATATTGCTTTATTTCTTGGTAGAAAATTAAGGCTTTCTAAATTCATACAGCACGCGAGGATTTGAACATTAGAATTAACAAACAACAACAACAATGAGCATTCAATTTAGCAGAGCCAGGAAGGAAGCAATGTTTTAAACAGATAAATTTCTAGGGAGACCTTTGGTTTGGTCTCCAAAAATCTGCTGAGCTGTTTCCCAGTAACCTCCATCATA GATTCCCACCCCAAGGAGAACAGAATGGATGAACAGGAGACTGGGAGAAAAAGAAAAAC TGGCAAGACGGTATGTGCTGGGCAATCAGTGGGAACAGTCAGCTTTGTCTCATGTTTGGA AAACAGTTTAGGGGATGCGGCCAGGGATTCTCTGGATCTCCTGCTCATTCTCAGA GTATTAAACCAGCTCACTCGGAAGACCCAGGGCCAAGGATTAGGGACAATCCTTTGTGA CACCCAAATCCTGAACTTCAAATAGGGTCACAAGTCACAGAGCTGAGGAATGCTGCCTT CAACTTCTTTCATGGTTTTAACTCTGTGGCTTTCACTAGATCCTGGCCTAGCTAAATGA TTCATTTCCCCATGGCACAGGAGCCTTGATTACACATGTAAATTTGATGATTGTTGATT GGGACGGCACGCCATGATGTTTCGAAAGAAAACCTTCTGGGGCAGAAACCAACTNATAA CACTTAACCTTTTCNATCCCCACAAAAAACACAGTTTGCCACGCACCTTACAGNA GGAGTGGATGTGCGCAAGGGTGGTCTAACNTTGACAAATTCACCATAACTGGCTTGAGA TCGCAAAGGTTTCGGATTGGGAAATGGGCATTCTGGAGAAAAATAAGTGAGTGATTCCACCGCACAAAAGGTGGGG
Restriction Sites:	NotI-NotI
ACCN:	NM_012304
Insert Size:	4420 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).
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:	<u>NM_012304.3</u> , <u>NP_036436.1</u>
RefSeq Size:	4562 bp
RefSeq ORF:	1476 bp
Locus ID:	23194
UniProt ID:	<u>Q9UJT9</u>
Cytogenetics:	5p15.1
Domains:	LRR, F-box, LRR_CC

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the F-box protein family which is characterized by a 42-48 amino acid motif, the F-box, which binds to the S-phase kinase-associated protein 1 (Skp1) protein. The F-box proteins constitute one of the four subunits of E3 ubiquitin protein ligases called SCFs (SKP1-Cul1-F-box), which play a role in phosphorylation-dependent ubiquitination of proteins. The F-box proteins are divided into 3 subfamilies based on the other domain in the protein: F-box proteins that also have a WD-40 domain (Fbws subfamily), F-box proteins that also have leucine-rich repeats (Fbls subfamily) and F-box proteins that contain other motifs or lack known protein-interaction domains (Fbxs subfamily). The protein encoded by this gene belongs to the Fbls subfamily. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).