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Product datasheet for SC110365

FBXL5 (NM_033535) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXL5 (NM_033535) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXL5
Synonyms:	F-box and leucine-rich repeat protein 5; F-box protein FBL5; FBL4; FBL5; FLR1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF within SC110365 sequence for NM_033535 edited (data generated by NextGen Sequencing)

ATGAAAGAGGAAGAGGAGGTTTTTCAGCCCATGTTAATGGAATATTTTACCTATGAAGAG
CTTAAGGATATTAAAAAGAAAGTGATTGCACAACACTGCTCTCAGAAGGATACTGCAGAA
CTCCTTAGAGGTCTTAGCCTATGGAATCATGCTGAAGAGCGACAGAAGTTTTTTAAATAT
TCCGTGGATGAAAAGTCAGATAAAGAAGCAGAAGTGTCAGAACACTCCACAGGTATAACC
CATCTTCCTCCTGAGGTAATGCTGTCAATTTTCAGCTATCTTAATCCTCAAGAGTTATGT
CGATGCAGTCAAGTAAGCATGAAATGGTCTCAGCTGACAAAAACGGGATCGCTTTGGAAA
CATCTTTACCCTGTTCATTGGGCCAGAGGTGACTGGTATAGTGGTCCCGCAACTGAACTT
GATACTGAACCTGATGATGAATGGGTGAAAAATAGGAAAGATGAAAGTCGTGCTTTTCAT
GAGTGGGATGAAGATGCTGACATTGATGAATCTGAAGAGTCTGCGGAGGAATCAATTGCT
ATCAGCATTGCACAAATGGAAAAACGTTTACTCCATGGCTTAATTCATAACGTTCTACCA
TATGTTGGTACTTCTGTAAAAACCTTAGTATTAGCATACAGCTCTGCAGTTTCCAGCAAA
ATGGTTAGGCAGATTTTAGAGCTTTGTCCTAACCTGGAGCATCTGGATCTTACCCAGACT
GACATTTCAGATTCTGCATTTGACAGTTGGTCTTGGCTTGGTTGCTGCCAGAGTCTTCGG
CATCTTGATCTGTCTGGTTGTGAGAAAATCACAGATGTGGCCCTAGAGAAGATTTCCAGA
GCTCTTGGAATTCTGACATCTCATCAAAGTGGCTTTTTGAAAACATCTACAAGCAAAATT
ACTTCAACTGCGTGGAAAAATAAAGACATTACCATGCAGTCCACCAAGCAGTATGCCTGT
TTGCACGATTTAACTAACAAGGGCATTGGAGAAGAAATAGATAATGAACACCCCTGGACT
AAGCCTGTTTCTTCTGAGAATTTCACTTCTCCTTATGTGTGGATGTTAGATGCTGAAGAT
TTGGCTGATATTGAAGATACTGTGGAATGGAGACATAGAAATGTTGAAAGTCTTTGTGTA
ATGGAAACAGCATCCAACTTTAGTTGTTCCACCTCTGGTTGTTTTAGTAAGGACATTGTT
GGACTAAGGACTAGTGTCTGTTGGCAGCAGCATTGTGCTTCTCCAGCCTTTGCGTATTGT
GGTCACTCATTTTGTTGTACAGGAACAGCTTTAAGAACTATGTCATCACTCCCAGAATCT
TCTGCAATGTGTAGAAAAGCAGCAAGGACTAGATTGCCTAGGGGAAAAGACTTAATTTAC
TTTGGGAGTGAAAAATCTGATCAAGAGACTGGACGTGTACTTCTGTTTCTCAGTTTATCT
GGATGTTATCAGATCACAGACCATGGTCTCAGGGTTTTGACTCTGGGAGGAGGGCTGCCT
TATTTGGAGCACCTTAATCTCTCTGGTTGTCTTACTATAACTGGTGCAGGCCTGCAGGAT
TTGGTTTCAGCATGTCCTTCTCTGAATGATGAATACTTTTACTACTGTGACAACATTAAC
GGTCCTCATGCTGATACCGCCAGTGGATGCCAGAATTTGCAGTGTGGTTTTCGAGCCTGC
TGCCGCTCTGGCGAATGA

Clone variation with respect to NM_033535.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033535 unedited
CACATTTTGTAATACGACTCACTATAGGGCGGCCGCGAAATTCGCACGAGGCGGCCGCGG
CTGCTGAGGCGGAGGCTGAGGCAGTGGCGATGGCGCCCTTTCCTGAAGAAGTGGACGTCT
TCACCGCCCCACACTGGCGGATGAAGCAGCTGGTGGGGCTCTACTGCGACAAGCTTTCTA
AAACCAATTTTTCCAACAACAACGATTTCCGTGCTCTTCTGCAGTCTTTGTATGCTACTT
TCAAGGAGTTCAAAATGCATGAGCAGATTGAAAATGAATACATTATTGGTTTGCTTCAAC
AACGCAGCCAGACCATTTATAATGTACATTCTGACAATAAACTCTCCGAGATGCTTAGCC
TCTTTGAAAAGGGACTGAAGAATGTTAAGCCTACTACTGTTGACTGGAAGCCTTACCAAT
AACATAAAACAATCGAATAACAATTATTTCATGTATTATATGTAAAATATATATACTGGA
TTCTTACAGTAAGAATGAATATGAACAGTTAAATTATGCAAAACAACTGAAAGAGAGATT
GGAGGCTTTTACAAGAGATTTTCTTCCTCACATGAAAGAGGAAGAGGAGGTTTTTCAGCC
CATGTTAATGGAATATTTTACCTATGAAGAGCTTAAGGATATTAAAAAGAAAGTGATTGC
ACAACACTGCTCTCAGAAGGATACTGCAGAACTNCTTAGAGGTCTTAGCCTATGGAATCA
TGCTGAAGAGCGACAGAAGTTTTTTAAATATTCCGTGGATGAAAAAGTCAGATAAGAAGC
AGAAGTGTCAGAACCTTCACAGGTATAACCCATCTTCCTNCCTGAGGTATGCTGTCAATT
TCAGCTATCTTATNCTTCAGAGTATGTCGATGCAGCAAGTAGCATGAAATGGTCTCACTG
ACAAAACGGATCGCTTTGAACATCTTTACCTCGTCATGGNCCCAGTGACTGGATAATGGT
CCCCACTGACCTGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033535 unedited
NGGTTATAGCTATGNNACCGCGGCCGCATNCTAGNATTTTTACTTGGTAAAGTCCTCAAG
TAGATTTTATTTATACATTTCTTCAATGATTGTGGTATTTTAAAAAATCTCTCCCAAATT
TGATGACATAGGGACAGTGGTGAGAACAAAGTATCCCTAAAGGAAACAAATATCGATTGG
TGCTTTCCTAGCTCACTGAGCTAACACTCAGAAGCCAATTTATTCTATAATCCTAAAGAA
CCTTAAATGTGGGTTTGTTTGAATTGGCCTTCTGAGAATCATTGAAATAAAGGAAATATT
ACGGAAAAGAGATTAGTTTCCAAAAATGTGCTGTCTTTGAAAATAAGTCTTCAGACATGT
GTGTCGGAAAAGATCTGCAAAGCTTGGTACAGTGTTAATGTGTAAAGAGAACCAATCACC
TCCATGGACTTTAAAACTCAAAATTATCTATGAAATACTTTAAATGACATGGCATTACCA
ACATTCTTTAAAGCATTTCATTTAAAAGAAAAATGTAAGACTGTTCTCACCCTTTTGAAA
AGACCTAATCCCTTTCTAAACCAAAAGTATAATTTGCAAGAGAAACAACATTACAATTCA
CTGGTAAATTAAGATTTCTGAAGTTGTAAGAAATGGGGCCAAAACAAGTCACGCTCANAA
AGGGATGGGTAACACAAGAAATGTGCTATGAGTAAAGTGCATGANAGAAAGCCTGCTCAG
CTAAATGAAGTAGACAAAGATCAGAAGTCAAGGGTCATTTCGCCAGAGCGGCAGCAGGGC
TCGAAACCACACTGCAAATTCTGGGCCTTCACTTGGCGGGTTCAACATGAAGAACCGTTA
ATGGTTGTTCCAGTAGTTAAAAGTTATTCTTCATTCAAAAGAGGGACAGCTGAAACCAAA
TTCTGGAGGCCTGGCCCAAT

Restriction Sites: NotI-NotI

ACCN: NM_033535

Insert Size: 3000 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: NM_033535.2, NP_277077.1

RefSeq Size: 3475 bp

RefSeq ORF: 1698 bp

Locus ID: 26234

Cytogenetics: 4p15.32

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 an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of 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 Fbls class and, in addition to an F-box, contains several tandem leucine-rich repeats. Alternatively spliced transcript variants have been described for this locus. [provided by RefSeq, Aug 2010]
Transcript Variant: This variant (2) contains an additional exon within the 5' region, which introduces an upstream translation stop codon and results in a downstream translation start codon, as compared to variant 1. Thus, this variant encodes an N-terminal truncated isoform, as compared to isoform 1.