

Product datasheet for **SC309965**

FBXL11 (KDM2A) (NM_012308) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FBXL11 (KDM2A) (NM_012308) Human Untagged Clone
Tag: Tag Free
Symbol: FBXL11
Synonyms: CXXC8; FBL7; FBL11; FBXL11; JHDM1A; LILINA
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_012308 edited
 CCTGCGGCCGGGCGCCGGCCCGGGCTCGGGCCCGGGCTGCTGACCGCTGGCCTGGGGGAG
 GCGGGGGCGCCCGGGCTCGGCGCCGAGGGGTCGCGCTCCTCTCCTGACGCTCCGAC
 TCCCGGTCTCCAAGCCAGAAGAGAAGGTTTGATTTCAGCAACTGTTTGCTCCCTTTCT
 GGTGCTGCTGACCTCTCTGGATACTGGTTGATCCACGAAAAACCGAAGACGACGTTT
 GGGATTTAATTATTCTCTCAGCTTTGGAATCTTTACTTCTCACTTGGACAAGAAGTCA
 AGAGCAGAATCTCCGTGTGCAATCTGGTTCTAAGGAGGAAGAGGAAGGCAGCCCTGGA
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 TTGTTACAGCCAGAGATTGCGTGGTACCATGCGACGACGCTATGAAGATGATGGCATT
 CAGATGATGAAATGAAGAAAAAGAACTTTGACTTGAAGAGAACTGCACACCAACA
 AATATAATGCCAATTTTGTACTTTTATGGAAGAAAAGATTTTAAATGTAGAGTATATTC
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 TGGATGTCATGGACGTGAACACACAGAAAGGCATTGAAATGACCATGGCTCAGTGGACAC
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 CCCACCTAACCAAGGAATTCAGAAAGAGTCCCTCAGCATGGATTTGGAGTTAAATGGGT
 TGGAGTCTGGGAATGGGGATGAGGAAGCAGTGGATCGAGAACCCCGACGCTTGAGCAGCA



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GGCCTTCTGTCCTCACTAGCCCTGTAGCGAATGGAGTCAACCTGGATTATGATGGACTGG
 GC AAAACCTGCCGAAGTCTTCCAAGTCTGAAGAAAACCTTTGGCTGGGGACTCATCTTCTG
 ACTGTAGCCGGGGCTCCCAATGGACAAGTGTGGGATCCCCAGTGTGCTCCCCGAAAGG
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 TTCCTCTACAGGTGGGGCAGAGAGGGTGGTGGACACCAGGCTTATCTGCCTGCTCCTCTC
 CCTCCTAAGGAAAAGGGAGTAGCAGATTGATCTGAGGGGAAAGCACAGGCTGTGCTGTCG
 AGGCGCTGCTCGCTTACTCGCTGCCAGGAGGCCGGCTCTCAGTTTGGGGTGTGGTGTG
 CAACCTTCATCTGCACTGGGCCCTGTGCCCTCCTCCCCATCCATGGTCCCCAGCAGTGC
 CTGGTTCTGAGCAAACCTCCA

5' Read Nucleotide Sequence:	>Reverse primer walk for NM_012308 unedited ATTTNCAATGGCCTTTNCTGTGTGNNTTCACGTCCATGGNACATCCACCATGGGCGACGA CTCCCCACACACATTTTGACATCATTACAGTGAAGTCTGGATCCGGCATTATTTATTCCG AGTCCATCAGAATTCTTGAAAATCAGAGGATCTCTCAAGCCACCCCGCTGAATATACTCT ACATTAATAATCTTTTCTCCATAAAAAGTAAACAAAATTGGCATTATATTTGTTGGTGTGC AGTTTCTCTTCCAAGTCAAAAAGTTCTTTTCTTCAATTCATCATCTGAAATGCCATCA TCTTCATAGCGTCTGTCGATGGTACCACGCAATCTCTGGCTGTAAACGAATCCTTTCTTCT TCGGGTTCATCTCTCACTCTTCTGTTGAAATTACTGTAAGAAACCACTCCAGGGCTGC CTTCTCTTCTCCTTAGGAACAGATTGCAACACGGAGATTCTGCTCTTGAGTTCTTGT CCAAGTGAGAAGTAAAAGATTCCAAAGCTGAGAGGAATAATTAATCCCAAACGTCGTCT TCGGTTTTTCCGTGGATCAACCCAGTATCCAGAGAGGGTCAGAGCGACCAGGANAAGGA GCAAACAGTTGCTGAATCAAACCTTCTTCTGCTTTGGAGACCGGGAGTCGGAGGCGT CAGGAGAGAGGAGCGGACCCCTCGGCGCCGAGCCCGGGGCGCCCGCCTCCCCAGG CCAGCGGTGAGCAGCCCGGGCCGAGCCCGGGCCGCGCCCGGCGCAGGGAGCGCCCTC CTTGCCGTGCCCTNCGCCAGCAAGGGCTGGCCTCGTCCCGATTTCGCGGCCCTATAG TGAGTCTATTACAAA
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_012308 unedited NNCCATCGGNGATGGCACTTNCAGNCCAGNAAAGCACTGGGNGAGGTCACAGGGAT GCCACCCGGGATCTGTTCAAGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTT TTTTTTTTTTTTTTAACTGCAAAAAGCTATGTGCTGCCCTAGAGAGAGGATCTTTGGA CAGGCCGTTCAATGCAAAGTAAAAGGGGCGAGCTGATGGGGCTCAACAAAGGGCGGTGGA GCGGGAGACACCATGCTCCCTCCCTCCCTCCCTCCACACACACGCGCAGAATACTCA GCCACACACACAGAGGCAGTGCACACCCCTTCCATGGCTGCAGGCAGAGGGCTGGTGA CTGGCTTCTAAGCAGGACCCCTGACTGCCCTGAAAGTTCAGTGAGCCACTGGGGCTAGA CACAGGCCCTGGGCTCAGGGGGCTCCGCTAAACCAGAGGCCCTGGAGGAGCCTGGCTGGG GCAGTTGGGGCTTGGCCAGTCTCTGCCGCTCCAGCTTGGGGGAGATAGGCTGCTCC CTCTGAAGACGTGCATCTGGAAGCCTTCTCAGGCAGATGAAAACACAGGGAAAAGGC AGTCAGTGGGAGGCAAAAAAAAAAGGGGAACAAGGAAAAGGGGGCGTCCAAAAACAC TTGGGGACCAACAAAAGGGGTGGCCCTGGGGTAAACATTCCCGCCCCCGAAGAGCTT AACCCCAAAAAGGCAAAAAGGACCTCTTAAACCAACCAATAAATCCGGTAAACCGGG GGGGAAACCTATTTTGGGAACAACCCCAATGCTGGGAAAACCCACCCCAAGGAAAGA AAAAAGAGGGAACACCCTTTAAAGGCCGGG
Restriction Sites:	Please inquire
ACCN:	NM_012308
Insert Size:	4700 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).
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_012308.1](#), [NP_036440.1](#)

RefSeq Size: 6210 bp

RefSeq ORF: 3489 bp

Locus ID: 22992

UniProt ID: [Q9Y2K7](#)

Cytogenetics: 11q13.2

Domains: F-box, PHD, zf-CXXC, JmjC, LRR_CC

Protein Families: Druggable Genome, Transcription Factors

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 at least six highly degenerated leucine-rich repeats. This family member plays a role in epigenetic silencing. It nucleates at CpG islands and specifically demethylates both mono- and dimethylated lysine-36 of histone H3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). 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.