

Product datasheet for **SC332373**

FBXL11 (KDM2A) (NM_001256405) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXL11 (KDM2A) (NM_001256405) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBXL11
Synonyms:	CXXC8; FBL7; FBL11; FBXL11; JHDM1A; LILINA
Vector:	pCMV6-Entry (PS100001)



[View online »](#)

Fully Sequenced ORF: >SC332373 representing NM_001256405.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTGCTCTGGGAGATTCCAGAATATTCAAGTAAATCCGGATTTCCAGAGGCAGAATATCTAACTCC
TTCAGGAGAACTTCCAGTACAGAAAACAAAACAAAGACGCTGGGGAACTTCACCAAGAGCCTCGGCAG
CTCCAGAGCGACGGGAAACGAAAGATTTTGTGGAGGAGCTTGCCAACAGCGATCCCAAGTTAGCCCTC
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AAGCAGATCACTCGAAAAGCCTGCGAGCACTTCATCTCAGACTTGCATCAACAGCCTCTACTGCCTG
TCTGACGAGAAGCTGATACAGAAGATCAGCTAA
  
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001256405
Insert Size: 2172 bp

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](#)

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_001256405.1](#)

RefSeq Size: 5379 bp

RefSeq ORF: 2172 bp

Locus ID: 22992

UniProt ID: [Q9Y2K7](#)

Cytogenetics: 11q13.2

Protein Families: Druggable Genome, Transcription Factors

MW: 81.7 kDa

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 (3) lacks several 5' exons but contains an alternate 5' exon, uses an internal downstream promoter, and differs in its 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (b, also known as SF-KDM2A or short-form KDM2A) has a distinct and shorter N-terminus, compared to isoform a.