

Product datasheet for **MG210889**

Fbxl11 (BC076576) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxl11 (BC076576) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbxl11
Synonyms:	Fbl11, Cxxc8, Fbl7, lalina
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210889 representing BC076576
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAACCTGAAGAAGAAAGGATTTCGGTACAGCCAGAGATTGCGTGGTACCATGCGTCGTCGCTATGAAG
 ATGATGGCATTTCAGATGATGAAATTGAAGGGAAAAGAACTTTTACTTGGAAGAGAAGCTCCAAACCAA
 CAAATATAATGCCAATTTTGTACTTTTATGGAGGGAAAAGATTTTAATGTAGAGTATATCCAGCGGGGT
 GGCTTGAGAGACCCTCTCATTTTCAAGAATTCTGATGGACTTGGAATAAAGATGCCGGATCCAGACTTCA
 CAGTGAATGATGTCAAAATGTGTGTGGGAGTCGTCGGATGGTGGATGTCATGGATGTGAACACACAGAA
 GGGGATTGAAATGACCATGGCACAATGGACACGATACTATGAGACTCCAGAGGAAGAGCGAGAAAACTC
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 TCCCCCTACAGCCACAACTGGAGCTGTACGAGAATTGGCTGCTATCAGGGAACAGGGAGACATCTT
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 GGTTGGATTATGCTGTGTATACTCCTACAGACACATTAGTGTGGAGGCAATTTTTCATAGCTTCA
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 ATTTTACTATGAAATGTGTGGTATGTGTGGAGCGCTATGTATACTGCATAACCAACCGATCCACCTA
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 GTTAGAGTCACTGCCACTGCACAAGAAGTGTGTCCCAAGGAATAGAAGACGAAGATGCTCTGATTGCT
 GATGTAAGATTTTGTGGAAGAATGTCAGTAGCGATCCCAAGTTAGCCCTCACTGGAGTCCCTATAG
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 CACAAAGCCTCACACCATGAAGCCAGCTCCACGCTTAACACCTGAAGGCCTGCTGCAGCCTCCCCATT
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 CCACCACAGTGCCAGCCGTGATGAACGCTTCAACGGCGGCAGTTGCTGCGGCTACAAGCCACCGAGCGC
 ACCATGGTACGGGAAAAGGAGAAACAATCCAGCGGCAAAAAGGAGCTGTCTGAAGTTGAGAAAGCCAAGA
 TCCGGGGATCGTACCTCACTGTCACTCTACAGAGGCCACCAAGAGCTCCACGGGACATCCATTGTGCC
 CAAGCTGCAGGCCATCACGGCCTCTGCCAACCTTCGCCCTAACCCCCCGTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG210889 representing BC076576
 Red=Cloning site Green=Tags(s)

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MEPEEERIRYSQRLRGTMRRYEDDGISDDEIEGKRTFDLEEKLTQNKYNANFVTFMEGKDFNVEYIQRG
GLRDPLIFKNSDGLGIKMPDPDFVNDVKMCGSRRMVDVMDVNTQKGIEMTMAQWTRYETPEEEREKL
YNVISLEFSHTRLENMVQRPSTVDFIDWVDNMWPRHLKESQTESTNAILEMQYPKVQKYCLMSVRGCYTD
FHVDFGGTSVWYHIHQGGKVFWLIPPTAHNLELYENWLLSGKQGDIFLGDRVSDCQRIELKQGYTFVIPS
GWIHAVYTPTDTLVFGGNFLHSFNIPMQLKIYSIEDRTRVPNKFYYPFYEMCWYVLERYYCITNRSHL
TKDFQKESLSMDMELNELESGNGDEEGVDREARRMNNKRSVLTSPVANGVNLDYDGLGKACRSLPSLKKT
LSGDSSSDSTRGSHNGQVWDPQCSPKKDRQVHLTHFELEGLRCLVDKLESLPLHKKCVPTGIEDEDALIA
DVKILLEELASSDPKLALTGVPIVQWPKRDKLFPTRPKVRVPTIPITKPHTMKPAPRLTPVRPAAASPI
VSGARRRRVRCRCKACVQGECEGVCHYCRDMKKFGGPRMKQSCVLRQCLAPRLPHSVTCSLCGEVDQNE
ETQDFEKKLMECCICNEIVHPGCLQMDGEGLLNEELPNCWECPKCYQEDSSDKAQKRKIEESDEEAVQAK
VLRPLRSCEEPLTPPHSPTSMQLIHDPVSPRGMVTRSSPGAGPSDHHSASRDERFKRRQLRLQATER
TMVREKENNPSGKKELSEVEKAKIRGSYLTVTLQRPTKELHGTISIVPKLQAITASSANLRPNPPC
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TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



ACCN:	BC076576
ORF Size:	2507 bp
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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: [BC076576](#), [AAH76576](#)

RefSeq Size: 5175 bp

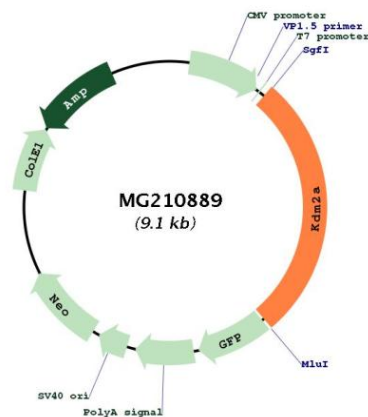
RefSeq ORF: 2507 bp

Locus ID: 225876

Cytogenetics: 19 A

Gene Summary: Histone demethylase that specifically demethylates 'Lys-36' of histone H3, thereby playing a central role in histone code. Preferentially demethylates dimethylated H3 'Lys-36' residue while it has weak or no activity for mono- and tri-methylated H3 'Lys-36'. May also recognize and bind to some phosphorylated proteins and promote their ubiquitination and degradation. Required to maintain the heterochromatic state. Associates with centromeres and represses transcription of small non-coding RNAs that are encoded by the clusters of satellite repeats at the centromere. Required to sustain centromeric integrity and genomic stability, particularly during mitosis (By similarity). Regulates circadian gene expression by repressing the transcriptional activator activity of CLOCK-ARNTL/BMAL1 heterodimer and RORA in a catalytically-independent manner (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210889