

## Product datasheet for **MR206822**

### **Fbxl3 (NM\_015822) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fbxl3 (NM_015822) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxl3
Synonyms:	AU041772; AW212966; FBK; Fbl3a; Fbxl3a; Ovtm; Play68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206822 representing NM\_015822  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAACGAGGAGGAAGAGATAGTGACCAGGACTCTGCTGAGGAAGGCACTGCCGAGAAGCCCAAGAGAC  
 CGAGGACGACACAGGAGCGCTCGCAGCCTTGACTGGGGTAACCTCCTGCAGGACATCGTCCTCCATGT  
 TTTAAGTATTTGCCTCTTCTTGACCGGCTCATGCTTCCCAAGTGTGCCGGAATTGGAATCAGGTATTT  
 CACATGCCTGACTTGTGGCGATTTTTGAATTTGAACTGAATCAGCCAGCGACATCTTACTTGAAAGCCA  
 CACACCCAGAGCTGATCAAACAGATTATCAAAGGCACTCAAACACCTACAGTATGTCAGCTTCAAGGT  
 GGACAGCAGCAAAGAATCAGCTGAAGCTGCTTGTGACATACTGTCGAGCTTGTGAATTGCTCTTTAAAA  
 ACTCTCGACTTATCTCGACTGCCCGCCAAGCTTTATGGATCTACCAAAGTCTCACTTTATCTCTGCAC  
 TGACAGTTGTGTTGTAAACTCCAAGTCCCTGTCCTCACTTAAGATAGACGACACCCAGTCGATGACCC  
 ATCCCTTAAAGTCTCGTGGCCAACAACAGCGACACACTCAAGCTGTTGAAAATGAGCAGCTGTCCTCAC  
 GTCTCTCCAGCAGGCATTCTGTGTGGCTGACCAAGTGTATGGCTTACGAGAATGGCCCTGAACTACC  
 ATTTGCTAAGTGATGAGTTGTTGCTCGCACTGTCTTCTGAAAAGCATGTTTCGCTTAGAACATTTGCGCAT  
 TGATGTTGTCAGTGAGAACCCGGGACAGACACACTTCCACACTATCCAGAAGAGCAGCTGGGATGCCTTC  
 ATCAAACACTCACCGAAAGTCAACCTAGTGATGATTTTTTTTTTATACGAAGAGGAATTTGACCCATTCT  
 TTCGTTATGAAATACCTGCTACGCATCTTACTTTGGGAGATCAGTCAGCAAAGATGTGCTTGGCCGTGT  
 GGGCATGACCTGCCCGAGACTAGTGGAACTGGTAGTGTGTGCCAATGGGTTGCGGCCTCTTGATGAAGAG  
 TTAATTCGATTGCGGAACGTTGCAAAAATTTGTCAGCTATTGGGCTGGGGAATGTGAAGTCTCATGTA  
 GTGCCCTTTGTTGAGTTTGTGAAGATGTGTGGGGCCGCTGTCTCAGTTATCCATTATGGAAGAAGTGT  
 AATTCCTGACCAAAGTATAGTTTGAACAATTCATTGGGAAGTGTCTAAGCATCTTGGCAGGGTATGG  
 TTCCAGACATGATGCCTACTTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206822 representing NM\_015822  
 Red=Cloning site Green=Tags(s)

MKRGGRSDQDSAEEGTAEKPKRPRTTQERSQPCDWGNLLQDIVLHVFKYLPLLDRAHASQVCRNWNQVF  
 HMPDLWRCFEFELNQPATSYLKATHPELIKQIIKRHSNHLQYVSFKVDSSKESAEAAACDILSQLVNC SLK  
 TLGLI STARPSFMDLPKSHFISALTVVFNKSLSSKIDDPVDDPSLKVLVANNSDTLKLKMS SCPH  
 VSPAGILCVADQCHGLRELALNYHLLSDELLLALSSEKHVRL EHLRIDVSENPGQTHFHTIQKSSWDAF  
 IKHSPKVNLMYFFLYEEFDPFFRYEIPATHLYFGRSVSKDVLGRVGMTCPRLVELVVCANGLRPLDEE  
 LIRIAERCKNLSAIGLGECEVSCSAFVEFVKMCGGRLSQLSIMEEVLIPDQKYSLEQIHWEVSKHLGRVW  
 FPDMMPTW

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9038\\_d10.zip](https://cdn.origene.com/chromatograms/mm9038_d10.zip)

**Restriction Sites:**

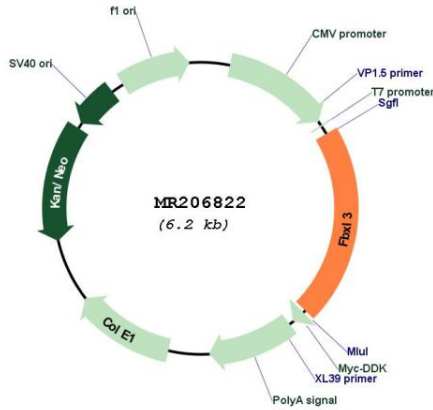
Sgfl-Mlul



**MW:** 49.1 kDa

**Gene Summary:** Substrate-recognition component of the SCF(FBXL3) E3 ubiquitin ligase complex involved in circadian rhythm function. Plays a key role in the maintenance of both the speed and the robustness of the circadian clock oscillation. The SCF(FBXL3) complex mainly acts in the nucleus and mediates ubiquitination and subsequent degradation of CRY1 and CRY2. Activity of the SCF(FBXL3) complex is counteracted by the SCF(FBXL21) complex.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206822