

## Product datasheet for **MC209867**

### Fbxl3 (NM\_015822) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fbxl3 (NM\_015822) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fbxl3  
**Synonyms:** AU041772; AW212966; FBK; Fbl3a; Fbxl3a; Ovtm; Play68  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209867 representing NM\_015822  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAACGAGGAGGAAGAGATAGTGACCAGGACTCTGCTGAGGAAGGCACTGCCGAGAAGCCCAAGAGAC  
 CGAGGACGACACAGGAGCGCTCGCAGCCTTGTGACTGGGGTAACCTCCTGCAGGACATCGTCTCCATGT  
 TTTTAAGTATTTGCCTCTTCTTGACCGGGCTCATGCTTCCAAGTGTGCCGGAATTGGAATCAGGTATTT  
 CACATGCCTGACTTGTGGCGATGTTTTGAATTTGAACTGAATCAGCCAGCGACATCTTACTTGAAAGCCA  
 CACACCCAGAGCTGATCAAACAGATTATCAAAGGCACTCAAACCACCTACAGTATGTCAGCTTCAAGGT  
 GGACAGCAGCAAAGAATCAGCTGAAGCTGCTTGTGACATACTGTGCGAGCTTGTGAATTGCTCTTTAAAA  
 ACTCTCGGACTTATCTCGACTGCCCGCCAAGCTTTATGGATCTACCAAAGTCTCACTTTATCTCTGCAC  
 TGACAGTTGTGTTTGTAAACTCCAAGTCCCTGCCTCACTTAAGATAGACGACACCCAGTCGATGACCC  
 ATCCCTTAAAGTCCCTCGTGGCCAACAACAGCGACACACTCAAGCTGTTGAAAATGAGCAGCTGCCTCAC  
 GTCTCTCCAGCAGGCATTCTGTGTGGCTGACCAGTGCATGGCTTACGAGAAGTGGCCCTGAAGTACC  
 ATTTGCTAAGTGATGAGTTGTGCTCGCACTGTCTTCTGAAAAGCATGTTGCTTAGAACATTTGCGCAT  
 TGATGTTGTGAGTGAAGACCCGGGACAGACACTTCCACACTATCCAGAAGAGCAGCTGGGATGCCTTC  
 ATCAAACACTCACCGAAAGTCAACCTAGTGATGATTTTTTTTTTATACGAAGAGGAATTTGACCCATTCT  
 TTCGTTATGAAATACCTGCTACGCATCTTTACTTTGGGAGATCAGTCAGCAAAGATGTGCTTGGCCGTGT  
 GGGCATGACCTGCCCGAGACTAGTGGAACTGGTAGTGTGTGCCAATGGGTTGCGGCTCTTGATGAAGAG  
 TTAATTCGATTGCGGAACGTTGCAAAAATTTGTCAGCTATTGGGCTGGGGGAATGTGAAGTCTCATGTA  
 GTGCCCTTGTGAGTTTGTGAAGATGTGTGGGGCCGCTGTCTCAGTTATCCATTATGGAAGAAGTGT  
 AATTCCTGACAAAAGTATAGTTTGAACAAATTCATTGGGAAGTGTCTAAGCATCTTGGCAGGGTATGG  
 TTCCAGACATGATGCCTACTTGG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_015822
<b>Insert Size:</b>	1287 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_015822.2</a></u> , <u><a href="#">NP_056637.1</a></u>
<b>RefSeq Size:</b>	4265 bp
<b>RefSeq ORF:</b>	1287 bp
<b>Locus ID:</b>	50789
<b>UniProt ID:</b>	<u><a href="#">Q8C4V4</a></u>
<b>Cytogenetics:</b>	14 E2.3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>