

## Product datasheet for **MG206822**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxl3 (NM_015822) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbxl3
Synonyms:	AU041772; AW212966; FBK; Fbl3a; Fbxl3a; Ovtm; Play68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206822 representing NM_015822 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAACGAGGAGGAAGAGATAGTGACCAGGACTCTGCTGAGGAAGGCACTGCCGAGAAGCCCAAGAGAC  
CGAGGACGACACAGGAGCGCTCGCAGCCTTGTGACTGGGGTAACCTCCTGCAGGACATCGTCCTCCATGT  
TTTTAAGTATTTGCCTCTTCTTGACCGGCTCATGCTTCCCAAGTGTGCCGGAATTGGAATCAGGTATTT  
CACATGCCTGACTTGTGGCGATGTTTTGAATTTGAACTGAATCAGCCAGCGACATCTTACTTCAAAGCCA  
CACACCCAGAGCTGATCAAACAGATTATCAAAAGGCACTCAAACCACCTACAGTATGTCAGCTTCAAGGT  
GGACAGCAGCAAAGAATCAGCTGAAGCTGCTTGTGACATACTGTGCGAGCTTGTGAATTGCTCTTTAAAA  
ACTCTCGGACTTATCTCGACTGCCCGGCCAAGCTTTATGGATCTACCAAAGTCTCACTTTATCTCTGCAC  
TGACAGTTGTGTTTGTAACTCCAAGTCCCTGTCTCACTTAAGATAGACGACACCCAGTCGATGACCC  
ATCCCTTAAAGTCTCGTGGCCAACAACAGCGACACACTCAAGCTGTTGAAAATGAGCAGCTGTCCTCAC  
GTCTCTCCAGCAGGCAATCTGTGTGGCTGACCAGTGTGATGGCTTACGAGAACTGGCCCTGAAGTACC  
ATTTGCTAAGTGATGAGTTGTTGCTCGCACTGTCTTCTGAAAAGCATGTTGCTTAGAACATTTGCGCAT  
TGATGTTGTGATGAGTGAACCCGGGACAGACACTTCCACACTATCCAGAAGAGCAGCTGGGATGCCTTC  
ATCAAACACTCACCGAAAGTCAACCTAGTGATGATTTTTTTTTTATACGAAGAGGAATTTGACCCATTTC  
TTCGTTATGAAATACCTGCTACGCATCTTACTTTGGGAGATCAGTCAGCAAAGATGTGCTTGGCCGTGT  
GGGCATGACCTGCCCGAGACTAGTGAAGTGGTGTGTGCCAATGGGTTGCGGCCTCTTGATGAAGAG  
TTAATTCGATTGCGGAACGTTGCAAAAATTTGTGAGCTATTGGGCTGGGGGAATGTGAAGTCTCATGTA  
GTGCCCTTTGTTGAGTTTGTGAAGATGTGTGGGGCCGCTGTCTCAGTTATCCATTATGGAAGAAGTGT  
AATTCCTGACCAAAGTATAGTTTGAACAAATTCATTGGGAAGTGTCTAAGCATCTTGGCAGGGTATGG  
TTCCAGACATGATGCCTACTTGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206822 representing NM\_015822  
 Red=Cloning site Green=Tags(s)

MKRGGGRSDQDSAEEGTAEKPKRPRTTQERSQPCDWGNLLQDIVLVHVKYLPLLDRAHASQVCRNWNQVF  
 HMPDLWRCFEFELNQPATSYLKATHPELIKQIIKRHSNHLQYVSFKVDSSKESAEACDILSQLVNCCLK  
 TLGLISTARPSFMDLPKSHFISALTVVFNKSLSSLLKIDDPVDDPSLKVLVANNSDTLKLKMSSCP  
 VSPAGILCVADQCHGLRELALNYHLLSDELLLALSSEKHVRLHLRIDVVSENPGQTHFHTIQKSSWDAF  
 IKHSPKVNLMYFFLYEEFDPFRYEIPATHLYFGRSVSKDVLGRVGMTCPRLVELVVCANGLRPLDEE  
 LIRIAERCKNLSAIGLGECEVSCSAFVEFVKMCGGRLSQLSIMEEVLIPDQKYSLEQIHWEVSKHLGRV  
 FPDMMPTW

TRTRPLE - GFP Tag - V

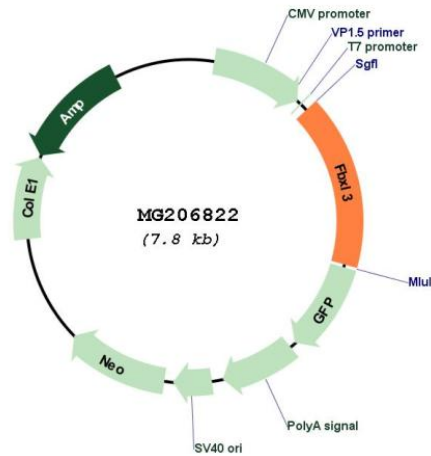
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_015822

<b>ORF Size:</b>	1284 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_015822.3</a>
<b>RefSeq Size:</b>	4265 bp
<b>RefSeq ORF:</b>	1287 bp
<b>Locus ID:</b>	50789
<b>UniProt ID:</b>	<a href="#">Q8C4V4</a>
<b>Cytogenetics:</b>	14 E2.3
<b>Gene Summary:</b>	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]