

Product datasheet for **RN206667**

Fbxl15 (NM_001107603) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fbxl15 (NM_001107603) Rat Untagged Clone

Tag: Tag Free

Symbol: Fbxl15

Synonyms: RGD1306444

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >RN206667 representing NM_001107603

Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGCCACCAATGGAGCAGTCCGGAGGGGAGCAAGAACCAGGAGCCGTCAGGCTCCTGGACCTGCCCT
GGGAAGACGTGCTGCTCCCGCACGTCTGAACGGGTCCCGCTGCGCCAGCTGCTCCGGCTGCAGCGCT
CAGTCGCGCCTTCCGGGCGCTCGTTCAGCTGCACCTGGCTAGGCTGCGCCGCTTTGACGCCGCTCAGGTG
GGTCCACAGATCCACGGGCCGCACTAGTCCGGCTACTGCGAGATGCTGAGGGGTTGCAGGAGCTGGCGC
TGGCTCCGTGTACGAATGGCTGTTGGACGAGGACCTGGTGCCGGTGTGGCACGAATCCACAGCTACG
GAGCGTAGCACTGGCCGGCTGCGGCCAACTGAGTCGCCGAGCACTCGGAGCGCTGGCTGAGGGCTGCCCG
CGTCTGCAGCGCATTTTCGCTCGCTCACTGTGACTGGGTGGACGGGCTGGCACTGCGTGGCCTTGCTGACC
GCTGCCCGGCTCTGGAGGAGCTAGACCTCACCGCCTGTCGTCAACTCAAGGACGAGGCCATCGTGTACCT
GGCGCAGAGACGCGGCGCGGGCCTCCGCAGCCTCTCGTTGGCAGTCAACGCCAATGTGGGGGACACCGCG
GTCCAAGAGTTGGCTCGAACTGCCGCACTCGAGCACCTAGACCTACCGGCTGCCTTCGGGTGCGAA
GCGACGGTGTGAGGACACTGGCGGAGTACTGCCCGCGTTCGCGCTCTCTGCGGTGCGGCACTGCCACCA
TGTGGCCGAGCCAGCCTGAGCCGCTTGCAGGAGCGTGGTGTGGACATCGACGTGGAGCCACCGCTGCAC
CAGGCCCTGGTCTACTCCAGGACATGGCTGGCTTCGCACCCTTTGTCAACCTACAGGTC**TGA**

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001107603

Insert Size: 903 bp



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OTI Disclaimer:	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).
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:	<u>NM_001107603.1, NP_001101073.1</u>
RefSeq Size:	1346 bp
RefSeq ORF:	903 bp
Locus ID:	309453
UniProt ID:	<u>D4ABB4</u>
Cytogenetics:	1q54
Gene Summary:	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of SMURF1, thereby acting as a positive regulator of the BMP signaling pathway. Required for dorsal/ventral pattern formation. Also mediates ubiquitination of SMURF2 and WWP2 (By similarity). Required for bone mass maintenance.[UniProtKB/Swiss-Prot Function]