

Product datasheet for **RR206667**

Fbxl15 (NM_001107603) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxl15 (NM_001107603) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxl15
Synonyms:	RGD1306444
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206667 representing NM_001107603 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCACCAATGGAGCAGTCCGGAGGGGAGCAAGAACCAGGAGCCGTCAGGCTCCTGGACCTGCCCT
GGGAAGACGTGCTGCTCCCGCACGTCTGAACGGGTCCCGCTGCGCCAGCTGCTCCGGCTGCAGCGCT
CAGTCGCGCCTTCGGGCGCTCGTTCAGCTGCACCTGGCTAGGCTGCGCCGCTTTGACGCCGCTCAGGTG
GGTCCACAGATTCACGGGCCGCACTAGTCCGGCTACTGCGAGATGCTGAGGGGTTGCAGGAGCTGGCGC
TGGCTCCGTGTACGAATGGCTGTTGGACGAGGACCTGGTGCCGGTGTGGCACGAATCCACAGCTACG
GAGCGTAGCACTGGCCGGCTGCGGCCAACTGAGTCGCCGAGCACTCGGAGCGCTGGCTGAGGGCTGCCCG
CGTCTGCAGCGCATTTTCGCTCGCTCACTGTGACTGGGTGGACGGGCTGGCACTGCGTGGCCTTGCTGACC
GCTGCCCGGCTCTGGAGGAGCTAGACCTCACCGCCTGTCGTCAACTCAAGGACGAGGCCATCGTGTACCT
GGCGCAGAGACGCGGCGCGGGCCTCCGACGCTCTCGTTGGCAGTCAACGCCAATGTGGGGGACACCGCG
GTCCAAGAGTTGGCTCGAACTGCCGCACTCGAGCACCTAGACCTACCGGCTGCCTTCGGGTGCGAA
GCGACGGTGTGAGGACTGGCGGAGTACTGCCCGCGTTGCGCTCTCTCGGGTGCGGCACTGCCACCA
TGTGGCCGAGCCAGCCTGAGCCGCTTGCGGAAGCGTGGTGTGGACATCGACGTGGAGCCACCGCTGCAC
CAGGCCCTGGTCTACTCCAGGACATGGCTGGCTTCGCACCCTTTGTCAACCTACAGGTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206667 representing NM_001107603

Red=Cloning site Green=Tags(s)

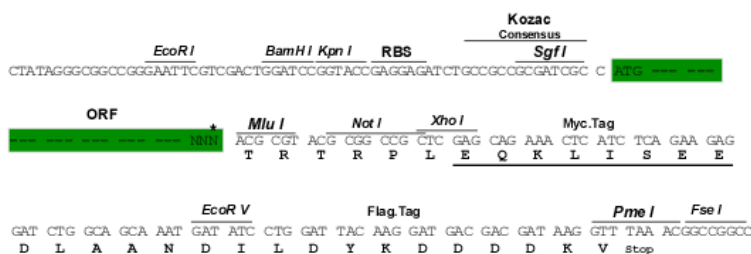
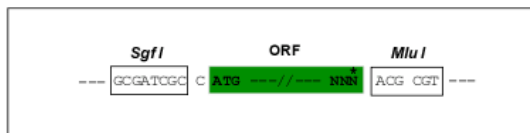
MEPPMEQSGGEQEPGAVRLDLPLWEDVLLPHVLNWVPLRQLRLRQVSRAFRALVQLHLARLRRFDAAQV
GPQIPRAALVRLLRDAEGLQELALAPCHEWLLDEDLVPVLARNPQLRSVALAGCGQLSRRALGALAEGCP
RLQRISLAHCDWVDGLALRGLADRPCALEELDLTACRQLKDEAIVYLAQRRGAGLRSLSLAYNANVGDTA
VLARNPCPQLEHLDLTGCLRVGSDGVRTLAEYCPALRSLRVRHCHHVAEPLSLRLRKRGVDDIVEPPLH
QALVLLQDMAGFAFPYNLOV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001107603

ORF Size: 900 bp

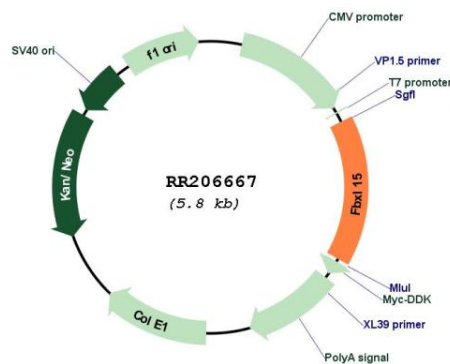
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<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
MW:	33.2 kDa
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]

Product images:



Circular map for RR206667