

Product datasheet for **RG206363**

FBXL15 (NM_024326) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FBXL15 (NM_024326) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FBXL15
Synonyms: Fbl15; FBXO37; JET; PSD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206363 representing NM_024326
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCGTCGGAGGGGAGCAAGAGCCCGGAGCCGTCAGGTTCTGGACCTGCCCTGGGAAGACGTGC
 TGCTCCACACGTCCTGAACCGGGTCCCGCTGCGCCAGCTGCTACGGCTGCAGCGCGTTAGCCGGGCCTT
 CCGGTCGCTGGTGCAGCTTACCTGGCCGGGCTGCGTCGCTTCGATGCCGCGCAGGTGGGTCGCAGATC
 CCGCGGGCCGATTGGCCCGGCTGCTGCGGGATGCCGAGGGGCTGCAGGAGCTGGCACTGGCCCGGTGTC
 ACGAATGGCTGTCAGACGAGGACCTGGTGCCGGTCTGGCGCGGAATCCGCAGCTGCGGAGTGTGGCGTT
 GGGCGGCTGCGGGCAACTGAGTCGCCGGGCGCTTGGGGCTTTGGCCGAGGGCTGCCACGCCTGCAGCGC
 CTGTGCGCTCGCGCACTGTGACTGGTGGACGGGCTGGCGCTGCGCGGCCTCGCTGATCACTGCCCGGCC
 TGGAGGAGCTGGATCTCACCGCCTGCCGCCAGCTCAAGGACGAGGCCATCGTGTACCTGGCGCAGAGGCG
 CGGCGCTGGTCTCCGCAGCCTCTCTGGCCGTCACGCCAACGTGGGGGACGCCGCGGTTCAAGAGTTG
 GCTCGGAAGTCCCAGAAGTCCACCACCTTACCTCACCAGGCTGCTCGCGTCCGAAAGCGACGGTGTCA
 GGACATTGGCCGAGTACTGCCCGTGTGCGTTGCTGCGGGTGCAGGCTGCCACCATGTGGCGGAGTC
 CAGCCTGAGCCGCTTGCAGGAGCGCGGCGTGGACATCGACGTGGAGCCCGCTGCACCAGGCCCTGGTG
 CTGCTGCAGGATATGGCGGGCTTCGCACCTTTTGTCACCTGCAGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206363 representing NM_024326
Red=Cloning site Green=Tags(s)

MEPSGGEEQEPGAVRFLDLPWEDVLLPHVLNRVPLRQLRLQRVSRAFRSLVQLHLAQLRRFDAAQVGPQI
 PRAALARLLRDAEGLQELALAPCHEWLSDLDLVPVLARNPQLRSVALGGCGQLSRRALGALAEQCPRLQR
 LSLAHCWVDGLALRGLADHCPALEELDLTACRQLKDEAIVYLAQRRGAGLRSLAVNANVGDAAVQEL
 ARNCPELHHLDLTGCLRVGSDGVRTLAEYCPVLRSLRVRHCHHVAESSLSRLRKRQVDIDVEPPLHQALV
 LLQDMAGFAPFVNLQV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024326

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: [NM_024326.2](#), [NP_077302.2](#)

RefSeq Size: 2359 bp

RefSeq ORF: 903 bp

Locus ID: 79176

UniProt ID: [Q9H469](#)

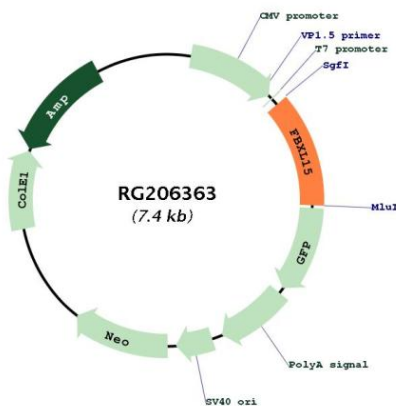
Cytogenetics: 10q24.32

Domains: F-box, LRR_CC

Protein Families: Druggable Genome

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 and bone mass maintenance. Also mediates ubiquitination of SMURF2 and WWP2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206363