

Product datasheet for **RG234657**

FBXL19 (NM_001271651) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXL19 (NM_001271651) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXL19
Synonyms:	Fbl19; JHDM1C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG234657 representing NM_001271651
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGTATGAAAGTCCCCGAAAGGGGAATCTGGGCCCTCGGCGTTGCTGACGCCCCCAATGTCGTCGA
 GCAGCCGGGGCCGGGGCCGGAGCGCGCCGACGCCGAACCCGCTGCCGCGCTGCCGGGCTGTGTGCG
 AACTGAGTGGGGGATTGCCACTTCTGCCGAGACATGAAGAAGTTCGGGGGGCCGGGCGCATGAAGCAG
 TCGTGCCTGCTCCGGCAGTGCCTGCCCCGCTGCCACACACAGCTGTGTGCCTCTTGTGTGGGGAGG
 CTGGGAAGGAGGACCGGTGGAGGGAGAGGAAGAGAAATTTGTTTGGCCTCATGGAGTGTACAATCTG
 CAACGAGATCGTCCACCCCGCTGCCTGAAGATGGGAAGGCTGAGGGTGTCAATGCAGAGATCCCC
 AACTGCTGGGAGTGCCCTCGCTGACCCAGGAAGGCCGACCAAGGATTCAGGTGAGGGGCTGGCC
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 GCTTCCACCGCCCCCGCCAGGCGCAAGGGCCCCCTGCCTGCCGGGCCCCCGGAGGAGCTGCCTGGG
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 GAGAGAGGCACCTGAAGAAGAAACCAAGCCGCTTTGGCCTCTGCAGAGGGCCAGCGGTGCCGTCCCC
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 CACCAGACACAAACCAGGGCAACAGAGAGCCGTGGTGGCTGCAGGGGTGGCAGAACTGCGTCTGGC
 AGGTTTGGAGCTGACAGATGCCTCCCTGCGTCTCTGCTGCGTCACGCACCCAGCTGAGCGCCCTGGAC
 CTGAGCCACTGCGCCACGTGGGGACCCAGTGTACCTCCTACGGCCCCACGTCCCCACTCCGCG
 AGACCCTGGTGCACCTCAATCTTGCTGGTTGCCACCGCCTAACGGACCACTGCCTCCCGCTGTTCCGCCG
 CTGCCCTCGTCTACGCCGCTAGACCTGCGCTCCTGCCGCCAGCTCTACCCGAAGCTTGTGCCCGGCTG
 GCAGCTGCCGGGCCCCCTGGCCCCCTCCGCTGCCCTGAGGAGAAGCTGCTTCTCAAGGACAGC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

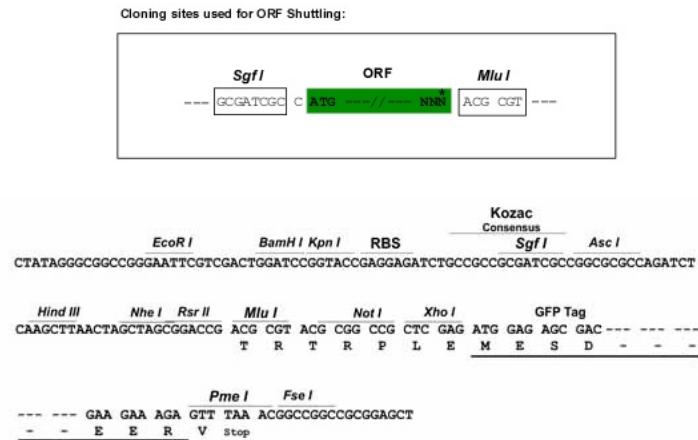
>RG234657 representing NM_001271651
 Red=Cloning site Green=Tags(s)

MGMKVPKGESGPSALLTPMSSSSRGPAGARRRTRCRRACRVTECGDCHFCRDMKKFGPGRMKQ
 SCLLRQCTAPVLPHTAVCLLCGEAGKEDTVEGEEKFGLSLMECTICNEIVHPGCLKMGKAEGVINAIEIP
 NCWECPRCTQEGRTSKDSGEGPGRRRADNGEASLGSWKL TEEPPLPPPPRRKGPLPAGPPPEDVPG
 PPKRKEREAGNEPPTPRKKVKGRERHLKKPKPPLASAEPAVPSPSPQREKLERFKRMCQLLERVPDT
 SSSSSDSDSDSSGTSLSSEAPGEARNRRPARGSSGEKENRGRRRAVRPGSGGPLLSWPLGPAPPPR
 PPQLERHVVRPPRSPEDTLPLAAGSDHPLPRAAWLRVFQHLGPRELCICMRVCRTWSRWYDKRLWPR
 MDLSRRKSLTPMLSGVVRQPRALDL SWTGVSKQLMWLLNRLQGLQELVLSGCSWLSVSALGSAPLPA
 LRLDLRWIEDVKDSQLRELLLPDTPKQTESRGLQGVAELRLAGLELTDASLRLRLRHAPQLSALD
 LSHCAHVGDPSVHLLTAPTSPLRETLVHLNLAGCHRLTDHCLPLFRRCPRLRLDLRSCRQLSPEACARL
 AAAGPPGPFRCPPEKLLKDS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271651

ORF Size: 1953 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_001271651.1](#), [NP_001258580.1](#)

RefSeq Size: 3685 bp

RefSeq ORF: 1955 bp

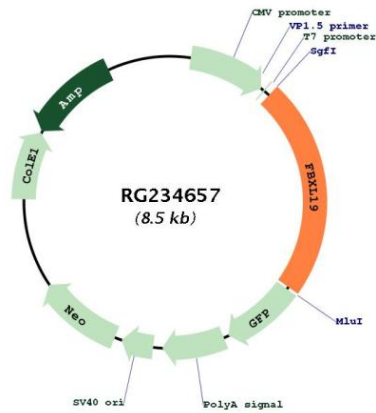
Locus ID: 54620

Cytogenetics: 16p11.2

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a member of the Skp1-Cullin-F-box family of E3 ubiquitin ligases. The encoded protein is reported to bind to the transmembrane receptor interleukin 1 receptor-like 1 and regulate its ubiquitination and degradation. This protein has been linked to the regulation of pulmonary inflammation and psoriasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG234657