

Product datasheet for **RG207066**

FBXL14 (NM_152441) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FBXL14
Synonyms:	Fbl14
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207066 representing NM_152441
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGACCCACATCTCATGCCTGTTCCCGGAGCTGCTGGCCATGATCTTCGGCTACCTGGACGTCCGGG
ACAAGGGGCGCGCGCAGGTGTGCACCGCTGGCGGAGCGCGCTACCACAAGTCGGTGTGGCGGG
GGTGGAGGCCAAGCTGCACCTGCGCGGGCCAACCCGTCGCTGTTCCCGAGCTGCAGGCCCGGGCATC
CGCCGGGTGCAGATCCTGAGCCTCCGCCGAGCCTCAGCTACGTGATCCAGGGCATGGCCAACATCGAGA
GCCTCAACCTCAGCGGCTGCTACAACCTACCGACAACGGGCTGGGCCACGCGTTTGTGCAGGAGATCGG
CTCCCTGCGCGCTCTCAACCTGAGCCTCTGCAAGCAGATCACTGACAGCAGCCTGGGCCGATAGCCAG
TACCTCAAGGGCCTGGAGGTGCTGGAGCTGGGAGTTGCAGCAACATCACCAACTGGCCTTCTGCTCA
TCGCCTGGGTCTGCAGCGCTCAAGAGCCTTAACCTCCGAGCTGCCGCCACCTTTCGGATGTGGCAT
CGGGCACCTGGCCGGCATGACGCGCAGCGCGGAGGGCTGCCTGGCCTGGAGCAGCTACGCTACAG
GACTGCCAGAAGCTCACAGATCTTTCTCTAAAGCACATCTCCCGAGGGCTGACGGGCTTGAGGCTCCTCA
ACCTCAGCTTCTGTGGGGAATCTCGGACGCTGGCCTCCTGCACCTGTGCGACATGGGCAGCCTGCGCAG
CCTCAACCTGCGCTCCTGTGACAACATCAGTGACACGGGCATCATGCATCTGGCCATGGGCAGCCTGCGC
CTCTCGGGGCTGGATGTTTCGTTCTGTGACAAGGTGGGAGACCAGAGCTGGCTTACATAGCCAGGGGC
TGGATGGCCTCAAGTCTCTCTCCCTCTGCTCCTGCCACATCAGTGATGATGGCATCAACCGCATGGTGG
GCAGATGCACGGGCTGCGCACGCTCAACATTGGACAGTGTGTGCGCATCACGGACAAGGGCTGGAGCTG
ATCGCTGAGCACCTGAGCCAACCTACCGGCATAGACCTGTACGGCTGCACCGAATCACCAAGCGCGGCC
TGGAGCGCATCACGAGCTGCCGTGCCTCAAGTACTCAACCTGGGACTCTGGCAGATGACGGACAGTGA
GAAGGAGGCACGAGGGGATTTTCTCCATTATTCACTGTGAGAAGCTCGGGAAGCTCCAGAAG

AG**CGGACCG**ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA



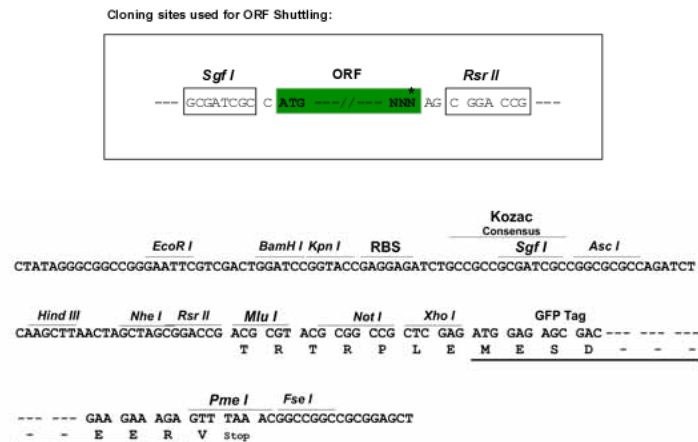
Protein Sequence: >RG207066 representing NM_152441
 Red=Cloning site Green=Tags(s)

METHISCLFPPELLAMIFGYLDVRDKGRAAQVCTAWRDAAYHKSVWRGVEAKLHLRRANPSLFPSLQARGI
 RRVQILSLRRSLSYVIQGMANIESNLSCYNLTDNGLGHAFVQEIGSLRALNLSLCKQITDSSLGRIAQ
 YLKGLEVLGGSNITNTGLLLIAWGLQRLKSLNLRSCRHLSDVGIGHLAGMTRSAEGLGLEQLTLQ
 DCQKLTDSLKHISRGLTGLRLNLSFCGGISDAGLLHLSHMGSLRSLNLRSCDNISDTGIMHLAMGSLR
 LSGLDVSFCDKVGDQSLAYIAQGLDGLKSLSLCSCHISDDGINRMVRQMHLRTLNIQCVRITDKGLEL
 IAEHLSQLTGIDLYGCTRITKRGLERITQLPCLKVLNLGLWQMTDSEKEARGDFSPLFTVRTRGSSRR

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_152441

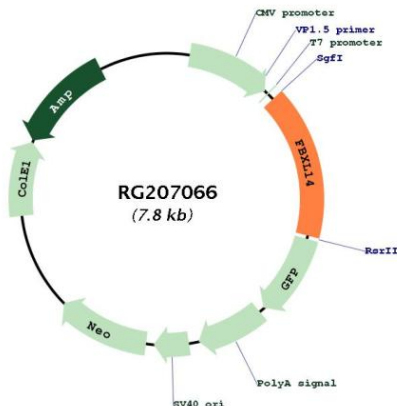
ORF Size: 1254 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_152441.1 , NP_689654.1
RefSeq Size:	2164 bp
RefSeq ORF:	1257 bp
Locus ID:	144699
UniProt ID:	Q8NIE6
Cytogenetics:	12p13.33
Domains:	LRR, F-box, LRR_CC
Protein Families:	Druggable Genome
Gene Summary:	Members of the F-box protein family, such as FBXL14, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG207066