

Product datasheet for **RG229929**

FBXL2 (NM_001171713) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXL2 (NM_001171713) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXL2
Synonyms:	FBL2; FBL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229929 representing NM_001171713 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGTTTTCTCAAACAATGATGAAGGCCTTATTAACAAAAAGTTACCCAAAGAACTTCTGTTAAGAATAT
TTTCCTTCTTGGATATAGTAACCTTTGTGCCGATGTGCACAGATTTCCAAGGCTTGAACATCTTAGCCCT
GGATGGAAGCAACTGGCAAAGAATAGATCTTTTAACTTTCAAACAGATGTAGAGGGTCGAGTGGTGAA
AATATCTCGAAGCGATGCGGTGGATTCTGAGGAAGCTCAGCTTGCAGGCTGCATTGGTGTGGGGATT
CCTCCTTGAAGACCTTTGCACAGAACTGCCGAAACATTGAACATTTGAACCTCAATGGATGCACAAAAAT
CACTGACAGCACGTGTTATAGCCTTAGCAGATTCTGTTCCAAGCTGAAACACATTGAGAATTACTGCCAT
GAGCTTGTGAGCCTCAACTTGCAGTCCTGCTCACGATACACGGATGAAGGTGTGGTGCAGATATGCAGGG
GCTGTACCCGGCTACAGGCTCTCTGCCTTTTCGGGTTGCAGCAACCTCACAGATGCCTCTCTTACAGCCCT
GGGTTTGAAGTGTCCGCGACTGCAAATTTGGAGGCTGCCCGATGCTCCCATTTGACTGACGCAGGTTTT
ACACTTTTAGCTCGGAATTGCCACGAATTGGAGAAGATGGATCTTGAAGAATGCATCCTGATAACCGACA
GCACACTCATCCAGCTCTCCATTCAGTGCCTAACTGCAAGCCCTGAGCCTGTCCCACTGTGAACATCAT
CACAGATGATGGGATCCTGCACCTGAGCAACAGTACCTGTGGCCATGAGAGGCTGCGGGTACTGGAGTTG
GACAACTGCCTCCTCATCACTGATGTGGCCCTGGAACACCTAGAGAACTGCCGAGGCTGGAGCGCCTCG
AGCTGTACGACTGCCAGCAGGTTACCCGTGCAGGCATCAAGCGGATGCGGGCTCAGCTCCCTCATGTCAA
AGTCCACGCCTACTTTGCTCCCGTCACCCACCCAGCAGTGGCAGGAAGTGGACAGCGACTGTGCAGG
TGCTGTGCATTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229929 representing NM_001171713
 Red=Cloning site Green=Tags(s)

MVFSNNDEGLINKKLPKELLRLIFSFLDIVTLRCRAQISKAWNILALDGSNWQRIDLNFQTDVEGRVVE
 NISKRCGGFLRKLSLRGICGVGDSSSLKTFAQNCRNIEHLNLNGCTKITDSTCYSLSRFCSKLKHIQNYCH
 ELVSLNLQSCSRITDEGVVQICRGCHRLQALCLSGCSNLTASLTALGLNCPRLQILEAARCSHLTDAGF
 TLLARNCHELEKMDLEECILITDSTLIQLSIHCPKLQALSLSHCELITDDGILHLSNSTCGHERLRVLEL
 DNCLLITDVALEHLNCRGLERLELYDCQQVTRAGIKRMRAQLPHVKVHAYFAPVTPPTAVAGSGQRLCR
 CCVIL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001171713

ORF Size: 1065 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_001171713.2](#)

RefSeq Size: 2793 bp

RefSeq ORF: 1068 bp

Locus ID: 25827

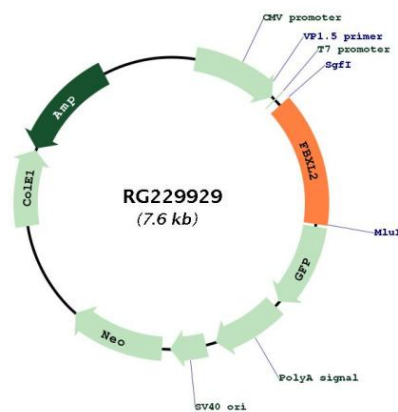
UniProt ID: [Q9UKC9](#)

Cytogenetics: 3p22.3

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbls class and, in addition to an F-box, contains 12 tandem leucine-rich repeats. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2010]

Product images:



Circular map for RG229929