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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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTTTTCTCAAACAATGATGAAGGCCTTATTAACAAAAAGTTACCCAAAGAACTTCTGTTAAGAATAT
TTTCCTTCTTGGATATAGTAACTTTGTGCCGATGTGCACAGATTTCCAAGGCTTGGAACATCTTAGCCCT
GGATGGAAGCAACTGGCAAAGAATAGATCTTTTTAACTTTCAAACAGATGTAGAGGGTCGAGTGGTGGAA
AATATCTCGAAGCGATGCGGTGGATTCCTGAGGAAGCTCAGCTTGCGAGGCTGCATTGGTGTTGGGGATT
CCTCCTTGAAGACCTTTGCACAGAACTGCCGAAACATTGAACATTTGAACCTCAATGGATGCACAAAAAT
CACTGACAGCACGTGTTATAGCCTTAGCAGATTCTGTTCCAAGCTGAAACACATTCAGAATTACTGCCAT
GAGCTTGTGAGCCTCAACTTGCAGTCCTGCTCACGTATCACGGATGAAGGTGTGGTGCAGATATGCAGGG
GCTGTCACCGGCTACAGGCTCTCTGCCTTTCGGGTTGCAGCAACCTCACAGATGCCTCTCTTACAGCCCT
GGGTTTGAACTGTCCGCGACTGCAAATTTTGGAGGCTGCCCGATGCTCCCATTTGACTGACGCAGGTTTT
ACACTTTTAGCTCGGAATTGCCACGAATTGGAGAAGATGGATCTTGAAGAATGCATCCTGATAACCGACA
GCACACTCATCCAGCTCTCCATTCACTGTCCTAAACTGCAAGCCCTGAGCCTGTCCCACTGTGAACTCAT
CACAGATGATGGGATCCTGCACCTGAGCAACAGTACCTGTGGCCATGAGAGGCTGCGGGTACTGGAGTTG
GACAACTGCCTCCTCATCACTGATGTGGCCCTGGAACACCTAGAGAACTGCCGAGGCCTGGAGCGCCTCG
AGCTGTACGACTGCCAGCAGGTTACCCGTGCAGGCATCAAGCGGATGCGGGCTCAGCTCCCTCATGTCAA
AGTCCACGCCTACTTTGCTCCCGTCACCCCACCGACAGCAGTGGCAGGAAGTGGACAGCGACTGTGCAGG
TGCTGTGTCATTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

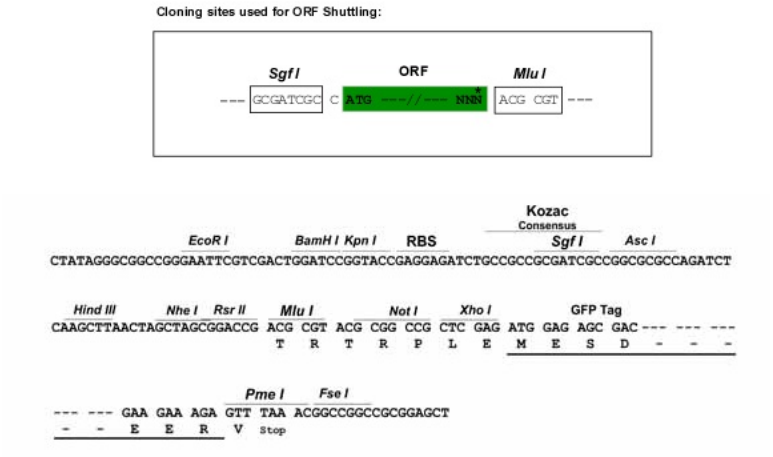
>RG229929 representing NM_001171713
Red=Cloning site Green=Tags(s)

MVFSNNDEGLINKKLPKELLLRIFSFLDIVTLCRCAQISKAWNILALDGSNWQRIDLFNFQTDVEGRVVE
NISKRCGGFLRKLSLRGCIGVGDSSLKTFAQNCRNIEHLNLNGCTKITDSTCYSLSRFCSKLKHIQNYCH
ELVSLNLQSCSRITDEGVVQICRGCHRLQALCLSGCSNLTDASLTALGLNCPRLQILEAARCSHLTDAGF
TLLARNCHELEKMDLEECILITDSTLIQLSIHCPKLQALSLSHCELITDDGILHLSNSTCGHERLRVLEL
DNCLLITDVALEHLENCRGLERLELYDCQQVTRAGIKRMRAQLPHVKVHAYFAPVTPPTAVAGSGQRLCR
CCVIL

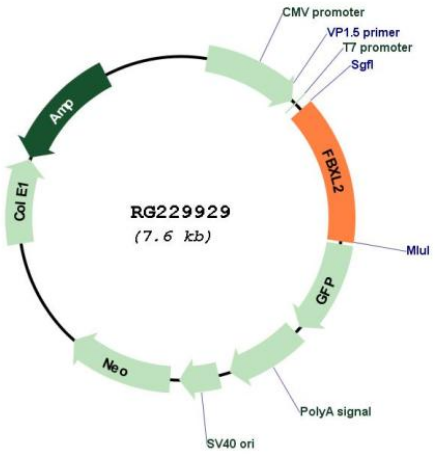
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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]