

Product datasheet for **RG203527**

FBXL20 (NM_032875) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXL20 (NM_032875) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXL20
Synonyms:	Fbl2; Fbl20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203527 representing NM_032875 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGGAGGGACGTGAACGGAGTGACCAAGAGCAGGTTTGAGATGTTCTCAAATAGTGATGAAGCTGTAA
TCAATAAAAAACTTCCCAAAGAACTCCTGTTACGGATATTTCTTTCTAGATGTTGTACCCTGTGCCG
CTGTGCTCAGGTCTCCAGGGCCTGGAATGTTCTGGCTCTGGATGGCAGTAACTGGCAGCGAATTGACCTA
TTTGATTTCCAGAGGGATATTGAGGGCCGAGTAGTGGAGAATATTTCAAACGATGTGGGGCTTTTTAC
GAAAGTTAAGTCTTCGTGGATGTCTGGAGTGGGAGACAATGCATTAAGAACCTTGCACAAAACCTGCAG
GAACATTGAAGTACTGAATCTAAATGGGTGTACAAAGACAACAGACGCTACATGTACTAGCCTTAGCAAG
TTCTGTTCCAAACTCAGGCACCTTGACTTGGCTTCTGTACATCAATAACAAACATGTCTCTAAAAGCTC
TGAGTGAGGGATGTCCACTGTTGGAGCAGTTGAACATTTCTGGTGTGACCAAGTAACCAAGGATGGCAT
TCAAGCACTAGTGAGGGGCTGTGGGGTCTCAAGGCCTTATTCTAAAAGGCTGCACGCAGCTAGAAGAT
GAAGCTCTCAAGTACATAGGTGCACACTGCCCTGAACTGGTGACTTTGAACTGCAGACTTGCTTGCAA
TCACAGATGAAGGTCTCATTACTATATGCAGAGGGTGCATAAGTTACAATCCCTTTGTGCCTCTGGCTG
CTCCAACATCACAGATGCCATCCTGAATGCTCTAGGTGAGAAGTCCACAGGAATTGCCATGAAGTTGAAAGA
GCAAGATGTTCTCAATTAACAGATGTGGGCTTTACCACTTAGCCAGGAATTGCCATGAAGTTGAAAGA
TGGACCTGGAAGAGTGTGTTTCAGATAACAGATAGCACATTAATCCAACCTTCTATACACTGCTCCTCGACT
TCAAGTATTGAGTCTGTCTCACTGTGAGCTGATCACAGATGATGGAATTCGTACCTGGGAATGGGGCC
TGCGCCCATGACCAGCTGGAGGTGATTGAGCTGGACAACCTGCCACTAATCACAGATGCATCCCTGGAGC
ACTTGAAGAGCTGTCATAGCCTTGAGCGGATAGAAGTCTATGACTGCCAGCAAATCACACGGGCTGGAAT
CAAGAGACTCAGGACCCATTTACCCAATATTAAGTCCACGCCTACTTCGCACCTGTCACTCCACCCCA
TCAGTAGGGGGCAGCAGACAGCGCTTCTGCAGATGCTGCATCATCCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG203527 representing NM_032875
 Red=Cloning site Green=Tags(s)

MRRDVNGVTKSRFEMFSNSDEAVINKKLPKELLRIFSFLDVVTLCRCAQVSRAWNVLALDGSNWQRIDL
 FDFQRDIEGRVVENISKRCGGFLRKL SLRGCLGVGDNALRTFAQNCRNIEVLNLNGCTKTTDATCTSLSK
 FCSKLRHLDLASCTSITNMSLKLSEGCPLLEQLNLSWCDQVTKDGIQALVRGCGGLKALFLKGGCTQLED
 EALKYIGAHCPELVTLNLQTC LQITDEGLITICRGCHKLQSLCASGCSNITDAILNALGQNCPLRILEV
 ARCSQLTDVGF TFLARNCHELEKMDLEECVQITDSTLIQLSIHCPRLQVLSLSHCELITDDGIRHLNGA
 CAHDQLEVIELDNCLPITDASLEHLKSCHSLERIELYDCQQITRAGIKRLRTHLPNIKVHAYFAPVTPPP
 SVGGSRQRFRCCCIIL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032875

ORF Size: 1308 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_032875.3](#)

RefSeq Size: 2423 bp

RefSeq ORF: 1311 bp

Locus ID: 84961

UniProt ID: [Q96IG2](#)

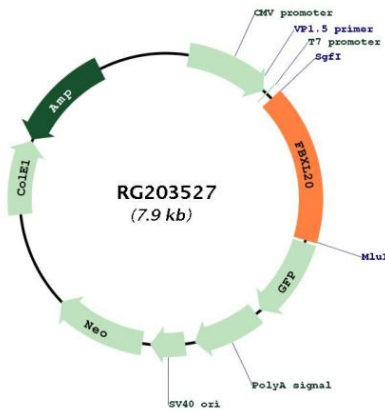
Cytogenetics: 17q12

Domains: LRR, F-box, LRR_CC

Protein Families: Druggable Genome

Gene Summary: Members of the F-box protein family, such as FBXL20, 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 RG203527