

Product datasheet for **RG222120**

FBXO41 (NM_001080410) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO41 (NM_001080410) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXO41
Synonyms:	FBX41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG222120 representing NM_001080410
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAACCTGGCTTGTCTGATCAGCAGGTGGTCTGTGACCTTGATCACAGGGCAGTGGAAGCCCTATTGC
 AGGCAGTTAGGAAGAGGATGGCAGGGGCCCTCGCCCGCGGTCCCCATGAGCGCGCCCGGCTGACCGGCGG
 GGCGGCCGCGGTGGAGCCCGCTGCCCGGGGGCGGCGGGGCCATGGCCTCGCTGGACCTGCCGTACCGC
 TCCCCCGCTGCGGGGAGCACAAGCGCTTCCGAGCGCTGTCTGCTGCGCGCGCACCTGGAGTACAGCC
 ACACCTACGAGACGCTCTACATCTCTCCAAGACCAACAGCATCTGCGACGGCGCCGCCGCCGCCGCGG
 CGCCGCCGCCGCTGCCTCGGGTTCCTCGCTGGCTCCGAGCCCGCCGCCCTGCTGGCCGTGCCGCGCGC
 CGGCGAGAGGTCTTCGAGAGCACTTCTTCCAGGGCAAGGAGCAGGCGGCCGGCCGTCGCCCGCGCGC
 CGCACCTGCTGCACCAACCACCATCACACGCTCCCTCGCCACTTCCCCGGCGACCTGGTCCCGCTAG
 CCTGCCCTGTGAGGAGTTGGCCGAGCGGGCCTTGTGCCCGCGCAGCAGCGCGCTATGCGCTGCGCGAG
 ATCGAGATCCCGCTGGGGGAGCTGTTGCCCGCAAGTCCGTGGCGTCTCGGCGTCTCGACGCCCGCGC
 CTGGCCCCCGCCCCGGCCCTTGGCCCGGGCCTGCCTCCGCTTGGCCCGCTCCCCCTCACCCGCTGATGT
 GGCTACGAAGAGGGCCTGGCGCGCCTCAAGATCCGCGCGCTGGAGAAGCTGGAGGTGGACCGGCGGCTG
 GAGCGGCTGAGCGAGGAGGTGGAGCAGAAGATCGCGGGCCAGGTGGGCGGCTGCAGGCCGAGCTGGAGC
 GCAAGGCGGCCGAACCTGGAGACTGCGCGGCAGGAGAGTGCAGGCTCGGGCGCGAGAAGGAGGAGCTGGA
 GGAGCGCGCGTCTGAGCTCTCCCGCCAGGTGGACGTGAGCGTAGAGCTGCTGGCCTCACTCAAGCAGGAC
 CTGGTGCACAAGGAACAGGAGCTGAGCCGCAAGCAGCAGGAGGTGGTGCAGATCGACCAAGTCTCTGAAGG
 AGACGGCGGCGCGGGAGGCCAGCCCAAGCTGCGGCTGCAGCAGTTCATTGAGGAGCTCCTTGAGCGGGC
 TGACCGTGCCGAGCGGCAGCTGCAGGTCAACAGCAGCAGCTGTGGCAGCACGCCACGCGCCAGCCTGGGC
 CGTGGAGGTGGGGCGGTGGTGTGACCAATGCCCGGGGCCAGGAGAATGCGAGAACCACAGTGG
 GCGCGGCGTGCCTAACACATATGACAGTGTACGGCATGGCTCCTCTCGAGCACAGGGGCTCCAGCCG
 TGTGCCAGCCGATCCCAGAGCTCAGGCTGCTATGACAGTGACAGTCTGGAGTGGCCAGGCCAGAGGAG
 GGGGCCCTGAGGACAGTGGCCCTGGGGGCTTGGGCACACGGGCCAGGCTGCCAACGGGGCTCAGAGC
 GGTCCCAGCCCCCTCGAGCTCAGGCTGCGGCGCCAGGCCATCCAGAACTGGCAGCGCAGACCCCGCG
 ACACAGCACTGAGGGGAAGAGGTGATGTCTCCGACGTTGGCTCCGAACCACTGAGTCAGAGGCTGAG
 GGCCCGTTGGATGCGCCCGCCCGGGCTGCTATGGCTGGGCCATTGAGCAGTGGCGGCTCTCAGCCC
 GCCCCGAGGGAGGAGTGGGCGGGTGGCGAGCAGAGAGGGTACGCCCTCACGCTCCAATGAGGTCA
 CAGCCCAGAGATCCTGAAGATGCGAGTGGCCTTCTTGCATCTTCACTACCTGGACACGCGCAGCTG
 CTGCATGCTGCCGAGGTCTGCCGGGACTGGCGCTTCTGGCCCGCCACCCCGAGTCTGGACAAGGGTGC
 TGCTTGAGAAATGCCCGTGTCTGCTCCAAGTTCCTGGCAATGCTGGCTCAGTGGTGACCCAGGCCACTC
 TCTGACGCTGCAGAACTGAAGCCCCGGCAGCGGGGAAAGAGGAGCAAGGAGGAGTATGCCCGGAGC
 ACCCGGGGCTGCCTGGAAGCTGGGCTGGAGTCCCTGCTGAAGGCAGCTGGGGGGAACCTGCTGATCCTGC
 GCATCTCCCACTGTCAAACATCCTCACGACCGCTCGCTCTGGCTGGCCAGCTGCTACTGCCGTGCCCT
 GCAGGCTGTCAGTACAGGAGTGCCACAGACCCGCTGGGCCATGAGGTCAATTTGGGCCCTGGGCGCAGGC
 TGACAGAGATCGTCTCCCTCCAAGTGGACCACTTACCCCTGCCAGCAGCCACACGCTTCAAGTAACC
 GCTGCCTGCAGATGATTGGTGTGTTGGCCCCACCTGCGGGCCCTGGGGGTGGGGGTGGCGGCTGTGG
 GGTGCAGGGCCTGGCATCACTCGCAGAAAAGTGCATGCGGCTGCAGGTCTGGAGCTTGACCAGTGTCA
 GAGATACCCAGGAGGTGGCAGCAGAGGTCTGCCGGAAGGCTGAAGGGACTGGAGATGCTGGTGTCA
 CGGCGACTCCCGTACCCCTAAGGCCCTACTGCACTTCAACAGCATCTGCCGGAACCTCAAGTCCATTGT
 GGTCCAGATTGGGATTGCGGATTATTTCAAAGAGCCAGCAGCCCTGAGGCCAGAAGCTGTTTGAGGAC
 ATGGTGACAAAACCTCAGGCTCTGCGACGAGGCGCGGCTTCTTAAGATTCTGCACATCAAGGTGAAG
 GCGGCTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG222120 representing NM_001080410
 Red=Cloning site Green=Tags(s)

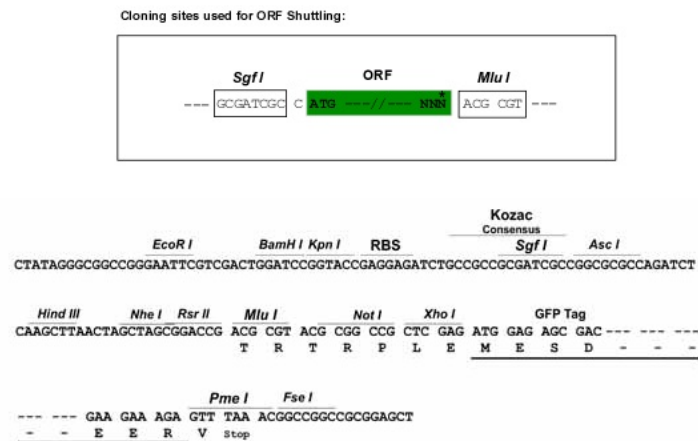
MTTGLSDQVVCDLDHRAVEALLQAVRKR MAGASPAV PHERARLTGGA AAVEPACRGGGGAMASLDLPYR
 CPRCGE HKRFRSLSS LRAHLEYSHTYETLYILSKTNSICDGA AAAAAAASGFPLAPEPAALLAVPGA
 RREVFESTSFQKEQAAGPSPAAPHLLHHHHHAPLAHFP GDLVPASLPCEELAEPLVAAAARYALRE
 IEIPLGELFARKSVASSACSTPPPGPGPGPCGPASASPASPADVAYEEGLARLKIRALEKLEVDRL
 ERLSEEV EQKIAGQVGR LQAELERKAAELETARQESARL GREKEELEERASELSRQVDVSVELLASLKQD
 LVHKEQELSRKQQEVVQIDQFLKETAAREASAKLRLQQFIEELLERADRAERQLQVISSSCGSTPASLG
 RGGGGGGAGPNARGPGRMREHHVGPVPNTYAVSRHGSSPSTGASSRVP AASQSSGCYDSDSLELPRPEE
 GAPEDSGPGGLGTRAQAANGGSESRQPPRSSGLRRQAIQNWQRRPRRHSTEGEGDVSDVGSRTTESEAE
 GPLDAPRPGPAMAGPLSSCRLSARPEGSGRGRRAERVSPSR SNEVISPEILKMRAALFCIFTYLDTRTL
 LHAAEVC RDWRFVARHPAVWTRV LLENARVCSKFLAMLAQWCTQAHSLTLQNLKPRQRGKKESEKEYARS
 TRGCLEAGLESLLKAAGNLLILRISHCPNILTDRSLWLASCYCRALQAVTYRSATDPVGHEVIWALGAG
 CREIVSLQVAPLHPCQQPTRFSNRCLQMIGRCWPHLRALGVGGAGCGVQGLASLARNCMRLQVLELDHVS
 EITQEVA AEVCREGLKGLEMLVLTATPVT PKALLHFNSICRNLSIVVQIGIADYFKEPSSPEAQKLFED
 MVTKLQALRRRPGFSKILHIKVEGGC

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

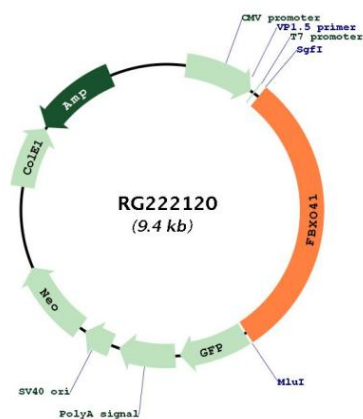


ACCN: NM_001080410

ORF Size: 2808 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.
RefSeq:	NM_001080410.1 , NP_001073879.1
RefSeq Size:	7121 bp
RefSeq ORF:	2628 bp
Locus ID:	150726
UniProt ID:	Q8TF61
Cytogenetics:	2p13.2
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. F-box proteins constitute one of the four subunits of the SCF ubiquitin protein ligase complex that plays a role in phosphorylation-dependent ubiquitination. F-box proteins are divided into three classes depending on the interaction substrate domain each contains in addition to the F-box motif: FBXW proteins contain WD-40 domains, FBXL proteins contain leucine-rich repeats, and FBXO proteins contain either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the FBXO class. [provided by RefSeq, Feb 2014]

Product images:



Circular map for RG222120