

Product datasheet for **MR231301**

Fbxo41 (NM_001289675) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fbxo41
Synonyms:	9630017H13; D6ErtD538e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >MR231301 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCTCGCTGGACCTACCGTACCGCTGCCCGCGCTGCGGGGAGCATAAGCGCTTCCGGAGCCTATCGT
 CGCTGCGCGCGCACCTGGAGTACAGCCACACCTACGAGACGCTCTACATCCTTTCCAAGACCAACAGCAT
 CTGCGACGCGCGCGCCGCGCTGCAGCCGCTGCCGCCGAGCCTCTGGATTCCCGCTGGCGCCTGAGCCC
 GCCGCTTGCTGGCTGTCCCGGGGGCCGGCGTGAGGTCTTTGAGAGCAGCTCCTTCCAGGGCAAGGAAC
 AGGCGACCGGGCCCTCGCCCGGGGGCCGACCTGCTGCACCATCATCACCACCAGCGCCACTGGCGCA
 CTTTCCCGCTGACCTGGTGCCGCTAGCCTGCCCTGCGAGGAGCTGGCTGAGCCGGGGCTCGTGCCGCT
 GCGCGCTATGCGCTACGCGAAATCGAAATCCCACTCGCGCAGCTGTTTGCAGCGAAGTCCGTGGCATCCT
 CTGCTGCTCGACGCCGCCACCCGGACCTGGCCTGGTCTTGTTCGGGCCCTCCTCTGCATCGCCGGC
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 CTGGAGGTGACCGGAGACTAGAGCGGCTGAGCGAGGAGGTGGAGCAGAAGATCGCGGCCAGGTGGGTG
 GGCTACAGCGGAGCTGGAGCGCAAGGCAGCAGAGCTAGAACTGCAAGACAGGAGAGCGCGCCCTGGG
 ACGCGAGAAGGAGAGCTGGAGGAGCGCCTCTGAGCTCTACGCCAAGTGGACGTGAGCGTGGAAGT
 CTGGCTTCACTCAAGCAGGACCTGGTGCTAAGGAACAGGAGCTGAGCCGCAAGCAGCAGGAGGTGGTGC
 AGATCGACCAAGTTCCTGAAGGAGACGGCAGCTCGGGAGGCCAGTGCCAAGCTGCGGCTGCAACAGTTCAT
 CGAGGAGCTCCTGGAGCGTGACAGCAGGGCCGAGCGCCAGTTGACAGTTCATCAGCAGCAGCTGTGGCAGC
 ACACCCAGTGCCAGCCTGGGCAGAGGAGGTGGGGCAGTGCCTCGGGCCCTGGGTGAGAGGCCCGGCA
 GAATGCGAGAATCATGCAGGCTCAGCTGTGCAAGCACATACGCCGTATCACGGCATGGCTCCTCTCC
 CAGCACAGGGGCCCTCCAGTCTGTGTGCCAGCTGCATCCAGAGCTCAGGCTGCTATGACAGTGACAGTCTG
 GAGTGTCCCGGCCAGAGGAAGGGCCCTCGGAGGACAGTGGCCCTGGGGCTTGGGTTCACGGGCCCAGG
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 CTGGCAACGCCGACCTCGTCTGTCACAGCACCGAGGGGAGGAGGTGACGTTTCGGATGTGGGTCCCGA
 ACTACTGAGTCAGAGGCTGAAGGACCTCAGATGTCCACGCCCTGGACCTGCTGTGGCTGGCCCCCTTGA
 ACAGCTGCCGGCTCTCTGACAGTCTGAAGGAGGCAGCGGGCAGGCGCTCGGGTGGAGAGAGGTAGCCC
 CTCACGCTCCAATGAGGTATCAGCCAGAAATCCTCAAGATGCGAGCTGCCCTCTTCTGTATCTTACC
 TACCTGGATACCCGACACTGCTCCATGCAGCAGAGGTCTGTGGGACTGGCGCTTTGTGGCCGCCATC
 CCGCTGTCTGGACGAGAGTGCTACTTGAGAATGCCGAGTCTGTTCCAAGTTCCTGGCGATGTTGGCTCA
 GTGGTGACCCAGGCTCACTCGTTAATATTACAGAACCTGAAGCCCCGGCAGCGGGGAAGAAGGAAAGC
 AAGGAGGAGTATGCCCGCAGCACCCGGGGTGCCTTGAAGCAGGGCTGGAGTCCCTGCTGAAGGCAGCTG
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 CAGCTGCTACTGCCGTGCCCTGCAGGCTGTACCTACAGGAGTGCCACGGACCCCGTGGCCATGAGGTG
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 AGCCACCCGGTTCAGCAACCGTTGCCTGCAGATGATTGGACGCTGTTGGCCCCACCTCCGGGCCCTGGG
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 CTGGAGCTGGACCAGTGTGAGAGATTACCCAGGAGGTGGCGGCTGAGGTCTGCCGGGAAGGCCCTGAAGG
 GACTGGAGATGCTGGTGTACAGCCACCCCTGTACCCCTAAGGCCCTGCTTCATTTTAACAGCATCTG
 CCGGAACCTTAAATCCATTGTGGTGAGATTGGGATTGCAGATTACTTCAAAGAGCCCAGCAGTCCCAG
 GCCAGAAGCTGTTTGAAGACATGGTGACAAAACCTCCAGGCCCTGCGTCGGAGGCCCTGGCTTCTGAAGA
 TTCTGCACATCAAGGTAGAAGGTGGTTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231301 protein sequence
 Red=Cloning site Green=Tags(s)

MASLDLPYRCPRCGEHRFRSLSSLAHLEYSHTYETLYILSKTNSICDGAASGFLAPEP
 AALLAVPGARREVFESTSFQGKEQATGSPAGPHLLHHHHHAPLAHFPADLVPASLPCEELAEPLVPA
 ARYALREIEIPLGELFARKSVASSACSTPPPGPGPGPCSGPSSASPASPADVAYEEGLARLKIRALEK
 LEVDRRLERLSEEVEQKIAGQVGRQAELERKAAELETARQESARLGREKEELEERASELSRQVDVSVEL
 LASLKQDLVHKEQELSRKQQEVVQIDQFLKETAAREASAKLRLQQFIEELLERADRAERQLQVISSSCGS
 TPSASLGRGGGGSASGPGVRGPRMRHHAGSAVPSTYAVSRHGSSPSTGASSRVPAAQSQSSGCYDSDSL
 ELPRPEEGPSEDSGPGGLGSRAQATNGGSERSQAPRSSGLRRQAIQNWQRRPRRHSTEGEEGDVSDVGSR
 TTESEAEGPSDVPRPGPAVAGPLNSCRLSARPEGSGRGRRVERGSPSRNEVISPEILKMRAALFCIFT
 YLDTRTLHAAEVCRDWRFVARHPAVWTRVLLLENARVCSKFLAMLAQWCTQAHSLTLQNLKPRQRGKES
 KEEYARSTRGCLEAGLESLLKAAGGNLLILRISHCPNILTDRSLWLASCYCRALQAVTYRSATDPVGHEV
 IWALGAGCRDIVSLQVAPLHPCQQPTRFSNRCLQMIGRCWPHLRALGVGGAGCGVQGLASLARNCMRLQV
 LELDHVSEITQEVAAEVCREGLKGLEMLVLTATPVTPKALLHFNSICRNLSIIVVQIGIADYFKEPSSPE
 AQKLFEDMVTKLQALRRRPGFSKILHIKVEGGC

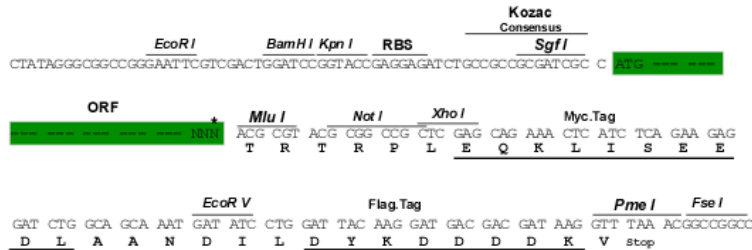
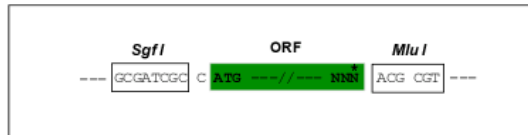
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001289675

ORF Size: 2619 bp

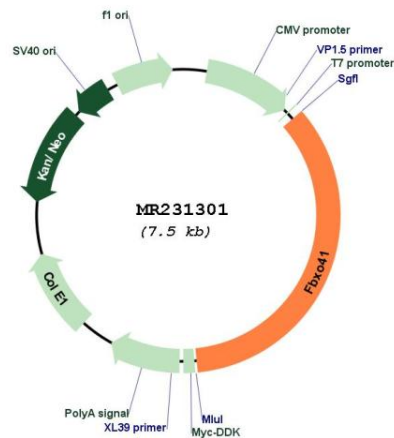
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001289675.1, NP_001276604.1</u>
RefSeq Size:	6513 bp
RefSeq ORF:	2622 bp
Locus ID:	330369
UniProt ID:	<u>Q6NS60</u>
Cytogenetics:	6 37.48 cM
MW:	94.3 kDa
Gene Summary:	Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231301