

Product datasheet for **MR231300**

Fbxo41 (NM_001289674) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fbxo41
Synonyms:	9630017H13; D6Ert538e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR231300 representing NM_001289674
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCCTCGCTGGACCTACCGTACCGCTGCCCGCGCTGCGGGGAGCATAAGCGCTTCCGGAGCCTATCGT
 CGCTGCGCGCGCACCTGGAGTACAGCCACACCTACGAGACGCTCTACATCCTTTCCAAGACCAACAGCAT
 CTGCGACGCGCGCGCCCGCTGCAGCCGCTGCCGCCGAGCCTCTGGATTCCCGCTGGCGCCTGAGCCC
 GCCGCTTGCTGGCTGTCCCGGGGGCCGGCGTGAGGTCTTTGAGAGCAGCTCCTTCCAGGGCAAGGAAC
 AGGCGACCGGGCCCTCGCCCGGGGGCCGACCTGCTGCACCATCATCACCACCAGCGCCACTGGCGCA
 CTTTCCCGCTGACCTGGTGCCCGCTAGCCTGCCCTGCGAGGAGCTGGCTGAGCCGGGGCTCGTGCCCGCT
 GCGCGCTATGCGCTACGCGAAATCGAAATCCCACTCGCGCAGCTGTTTGCGCGCAAGTCCGTGGCATCCT
 CTGCTGCTCGACGCCGCCACCCGGACCTGGCCTGGTCTTGTTCGGGCCCTCCTCTGCATCGCCGGC
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 CTGGAGGTGACCGGAGACTAGAGCGGCTGAGCGAGGAGGTGGAGCAGAAGATCGCGGGCCAGGTGGGT
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 ACGCGAGAAGGAGAGCTGGAGGAGCGCCTCTGAGCTCTACGCCAAGTGGACGTGAGCGTGAACTG
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 CGAGGAGCTCCTGGAGCGTGACAGCAGGGCCGAGCGCCAGTTGACAGTTCATCAGCAGCAGCTGTGGCAGC
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 GAATGCGAGAATCATGCAGGCTCAGCTGTGCAAGCACATACGCCGTATCACGGCATGGCTCCTCTCC
 CAGCACAGGGGCCCTCCAGTCTGTGTGCCAGCTGCATCCAGAGCTCAGGCTGCTATGACAGTGACAGTCTG
 GAGTGTCCCGGCCAGAGGAAGGGCCCTCGGAGGACAGTGGCCCTGGGGCTTGGGTTCACGGGCCCAGG
 CTACCAACGGTGGTTGAGAGCGGTCCAGGCCCTCGTAGTTACAGCCCTAAGACGACAGGCCATCCAGAA
 CTGGCAACGCCGACCTCGTCTGTCACAGCACCGAGGGGAGGAGGTGACGTTTCGGATGTGGGCTCCCGA
 ACTACTGAGTCAGAGGCTGAAGGACCTCAGATGTCCACGCCCTGGACCTGCTGTGGCTGGCCCCCTTGA
 ACAGCTGCCGGCTCTCTGACAGTCTGAAGGAGGCAGCGGGCGAGGCCGTCGGGTGGAGAGAGGTAGCCC
 CTCACGCTCCAATGAGGTATCAGCCAGAAATCCTCAAGATGCGAGCTGCCCTCTTCTGTATCTTACC
 TACCTGGATACCCGACACTGCTCCATGCAGCAGAGGTCTGTGGGACTGGCGCTTTGTGGCCGCCATC
 CCGCTGTCTGGACGAGAGTGCTACTTGAGAATGCCGAGTCTGTTCCAAGTTCTTGGCGATGTTGGCTCA
 GTGGTGACCCAGGCTCACTCGTTAACTTACAGAACCTGAAGCCCGGCAGCGGGGAAGAAGGAAAGC
 AAGGAGGAGTATGCCCGCAGCACCCGGGCTGCCTGAAGCAGGGCTGGAGTCCCTGCTGAAGGCAGCTG
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 CGTAGGTGGTGCCGCTGTGGGTACAGGGCCTGGCATCACTTGAAGAACTGTATGCGGCTGCAGGTC
 CTGGAGCTGGACCAGTGTGAGAGATTACCCAGGAGGTGGCGGCTGAGGTCTGCCGGGAAGGCCCTGAAGG
 GACTGGAGATGCTGGTGTACAGCCACCCCTGTACCCCTAAGGCCCTGCTTCATTTTAACAGCATCTG
 CCGGAACCTTAAATCCATTGTGGTGAGATTGGGATTGCAGATTACTTCAAAGAGCCAGCAGTCCCGAG
 GCCAGAAGCTGTTTGAAGACATGGTGACAAAATCCAGGCCCTGCGTCGGAGGCCCTGGCTTCTCGAAGA
 TTCTGCACATCAAGGTAGAAGGTGGTTGC

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231300 representing NM_001289674

Red=Cloning site Green=Tags(s)

MASLDLPYRCPRCGEHRFRSLSSLAHLEYSHTYETLYILSKTNSICDGAAAAAAAAAASGFPLAPEP
AALLAVPGARREVFESTSFQGKEQATGSPAGPHLLHHHHHHAPLAHFADLVPASLPCEELAEPLVPA
ARYALREIEIPLGELFARKSVASSACSTPPPGPGPGPCSGPSSASPASPADVAYEEGLARLKIRALEK
LEVDRRLERLSEEVEQKIAGQVGRQAELERKAAELETARQESARLGREKEELEERASELSRQVDVSVEL
LASLKQDLVHKEQELSRKQQEVVQIDQFLKETAAREASAKLRLQQFIEELLERADRAERQLQVISSSCGS
TPSASLGRGGGGSASGPGVVRGPRMRHHAGSAVPSTYAVSRHGSSPSTGASSRVPAAQSQSSGCYDSDSL
ELPRPEEGPSEDSGPGGLGSRAQATNGGSERSQAPRSSGLRRQAIQNWQRRPRRHSTEGEEGDVSDVGSR
TTESEAEGPSDVPRPGPAVAGPLNSCRLSARPEGSGRGRRVERGSPSRNEVISPEILKMRAALFCIFT
YLDTRTLLHAAEVCRDWRFVARHPAVWTRVLLLENARVCSKFLAMLAQWCTQAHSLTLQNLKPRQRGKES
KEEYARSTRGCLEAGLESLLKAAGGNLLILRISHCPNILTDRSLWLASCYCRALQAVTYRSATDPVGHEV
IWALGAGCRDIVSLQVAPLHPCQQPTRFSNRCLQMIGRCWPHLRALGVGGAGCGVQGLASLARNCMRLQV
LELDHVSEITQEVAAEVCREGLKGLEMLVLTATPVTPKALLHFNSICRNLSIIVVQIGIADYFKEPSSPE
AQKLFEDMVTKLQALRRRPGFSKILHIKVEGGC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001289674

ORF Size: 2619 bp

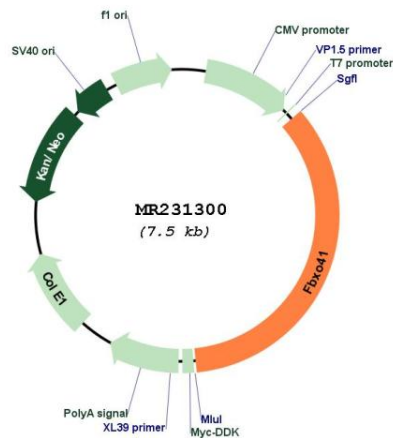
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_001289674.1, NP_001276603.1</u>
RefSeq Size:	6519 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 MR231300