

Product datasheet for **RR206961**

Fbxo46 (NM_001025642) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo46 (NM_001025642) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo46
Synonyms:	MGC114545
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR206961 representing NM_001025642
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACAGGGGCAGCCTCCTGCCCTTCCAACCTCTGGTGCCCCCGCCCTTCAGCAAGTATCCCAAGAAC
 AGCCGCGTCCACCTTCGCAACCCTCAAGCCACCAGTCTGTCTGACACAAGCAGCGGGACTGAGCCAGA
 CCACAGGCCTGCACACTTGGAGAGCACACCACCTGCCTTGGCTGCAGAAGCCCCACCTCCAGCATGCT
 CCACTCCTCTCTACAGCAGCTTCAGGTGATGAGGGTCGAGTCTGCTGGACACGTGGTATGTTATCAAAC
 CTGGAAATACAAAGGAGAAGGTGGCTTTCTTTGTGGCCACCAGTGTGGTGGAGGTAGCCGGGCTAGCTC
 TATGAAGTCAAAGGGCACTGGGGCAGTGACAGCTCCAAAGCTAAGAGGAGGAGGCGCTGCCTTGAGCCC
 ACCAAGGCTCCTCCAGCAAGGGGGCAAGAAGGGACCCTGCCACTGAGGTGGCCCCACTTCATCCG
 GGGATGATGTAGACCTGCTCTCTGTAGCAGAAATGGTGGCCCTGGTTGAACAGAGAGCTGCCTGGCCCT
 GCAGAGTTACCCACGCCGAGTACCCAGCTCCTGTGGTCTTTGTGTGAGTGCAGAGGGGGGACCAGCC
 AAGGGGCTAGGGTCAGAAAGGGCGTCTGGTGGTGGTACTGCAGCCGAGTTGCTGAGGCAGTGGCCCACT
 TTGAGGCCACGGGGACAGCCCTCTACCAAGGGTCTCCGAAGGAGGAGCGGCCAGGCCCTGGGCCAGG
 AGAGGTGCGAATAGCCTTCCGTATCTCCAATGTCCGGGAGCCCCAGTACCAGATGGCAGCTTAGCCAAT
 GGGGGTGGAGGTGCGCCTGCTTGTCCCTACCCTGGTAGTCTGGGCTGGGACTCGAGCCAAAGACAAAA
 TCACCTGCGACTTGTACCAGTGTACAGCCCTTAGGGATGCCCTTCCAGCAACGTGGAGTTCCTACT
 GGCCAGGGCCGATGAAGCAAGTGAAGGTGAGACACCAGCCCCGGCCAGGCTGAGGACACTCCACCAGCA
 CCCCCTCCGCCCTGCCCGGACTGTGGTGCATCAGGATCCACGTGGACGTGGTGGTACAGGAGTAG
 TGGATCCCTGCATCTTTGGCAAAGATGGCACCAAGAATGTGAAGGAAGAGACTGTGTGCCTGACCGT
 GAGCCCCGAGGAGCCACCCCTCCTGGACAGCTTTCTTCTCCAGTCCCGGGGGCCGGAAGGGCCCTCT
 GAGCCACCCAGCTGATACAGCAAGCAAGGTGCCAGGCCCGAGGATTCTGAGGGCACAACAGACACCT
 CCCTGTGCCGCTGTACCGGCACGTGTGCGATGACTTCTGGAGATTCGCTTCAAATCCAGCGTCTCT
 GGAGCCGAGGCAGTACATGCTGTGCTGCCGGAGCATGTGCTCGTCAAGATATTCAGCTTCTGCCACA
 CGGGCCCTGGCTGCCCTCAAGTGCACCTGCCACCCTCAAGGGTATCATTGAGGCCTTTGGTGTACGAG
 CCACGGACTCTCGCTGGAGCCGGGACCCCTCTACCGAGATGACCCTTGAAGCAGTCCCGCAAGAGATA
 TGAGAAGGGTGTGTGCTACTCTGCCGCTGGCACCCCAAACCCTACCACCAGACCTGCCTATGGACGT
 TCCTACTGGATGTGCTGCCGAGAGCCGACCCGAGACCCAGGCTGTGCCTGGGCTTGCATGACAACA
 ACTGGGTACTGCCGTGTAAACGGAGTAGGTGGAGCCGTGCTGGCCGGGAAGAGGGGAGG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206961 representing NM_001025642
 Red=Cloning site Green=Tags(s)

MDRGSLLPFQLWCPRPFSKYSQNPQPPSATLKPPVCPDTSSTGTEPDHRPAHLESTPPALAAEAPTSQHA
 PLLSTAASGDEGRVLLDTWYVIKPGNTKEKVAFFVAHQCGGSRASSMKVKGHWGSDDSSKAKRRRRCLEP
 TKAPPDQGGQEGTPATEVAPTSSGDDVLLSVAEMVALVEQRAALALQSYPRPSTPAPVVFVSAEQGGPA
 KGLGSERRSGGDCSRVAEAVAHFQAQRDSPPTKGLRKEERPDPGPEVRIAFRISNVREPQSPDGLAN
 GGGRRPACYPGSPGPGTRAKDKITCDLYQLISPSRDALPSNVEFLLARADEASEGETPAPARPEDTPPA
 PPPPPARDCGASGFHVDVVVTGVVDACIFFGKDGTKNVKEETVCLTVSPEPPPPGQLFQLQSRGPEGPP
 EPPPADTASKVPGEDSEGTDTSLCRLYRHVSHDFLEIRFKIQRLLLEPRQYMLLLPEHVLVKIFSFLLPT
 RALAALKCTCHHFKGIIEAFGVRATDSRWSRDPLYRDDPKQCRKRYEKGDVSLCRWHPKPYHHDLPYGR
 SYWMCCRADRETPGCRLGLHDNNWVLPNGVGGGRAGREEGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001025642

ORF Size: 1809 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_001025642.1](#), [NP_001020813.1](#)

RefSeq Size: 2955 bp

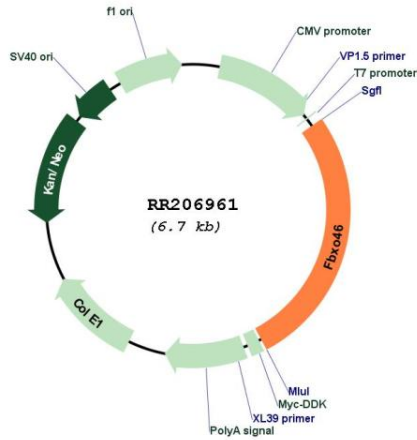
RefSeq ORF: 1812 bp

Locus ID: 292686

UniProt ID: [Q4KLY2](#)

Cytogenetics: 1q21
MW: 65.2 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 RR206961