OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR206003

Fbxo4 (NM_134099) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo4 (NM_134099) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo4
Synonyms:	1700096C12Rik; AI851261; AW494535; Fbx4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR206003 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGGAAGCGAGCCCCGCGGAGCCGGCTCCCCGCCGCCCGCCAGCGACTGGGGCCGCCTGGAGGCAG
CCATCCTGAGCGGCTGGAGGACCTTCTGGTATTCGGTGGCCAAGGAGCGGGCGACGCCGACGGCCTCTCG
GAAGGAGGCGGCGGAGGAGACGAGCGCGCTGACGCGGCTGCCGGTTGATGTGCAGTTGTATATCTTGTCG
TTTCTTTCACCCCACGATCTGTGCCAGCTGGGAAGTACAGATCATTACTGGAACAAAACTGTAAGAGACC
CAATTCTCTGGAGATACTTCCTGTTGCGGGATCTCCCTTCTTGGTCTTCGGTTGATTGGAAGTCACTTCC
AGATCTAGAGATCTTAAAAAAGCCAATATCTGAGGTCACCGACAGCACTTGTCTTGATTACATGGAGGTT
TATAAAATGTGCTGTCCATATACGCGAAGAGCCTTGAAAGCCAGCCGTCCTATGTATGGAGTGGTTACCT
CTTTCTTACACTCACTGATCATTCAGAATGAACCCCGGTTTGCTATGTTTGGACCAGGTTTGGAAGAACT
GAACACATCCTTGGTGTTGAGTTTGATGTCTTCTGAGGACCTTTGCCCAACTGCTGGTTTACCTCACAGA
CAGATTGATGGTATTGGATCTGGAGTCAACTTCCAGTTGAACAACCAGCAAAAATTCAACATCCTGATAT
TATACTCGACTACCAGAAAAGAAAGAGACAGAGCAAGGGAGGAGCACACCAGCACCGTTAACAAGATGTT
CAGCCTACAGAGTGAGGGGGACGAGCAGCAGGGCAGCCGCTACAGTGTGATCCCGCAGATTCAGAAAGTG
TGTGAAGTCGTAGACGGGTTCATCTACGTGGCAAACGCTGAAGCTCACCGACGTCATGAATGGCAAGATG
AATTTTCTCGGATTATGGCCATGACAGACCCAGCTTTTGGATCTTCAGGAAGACCCATGCTGGTTTTATC
TTGTATTTCTCAAGCAGATGTAAAGAGAATGCCTTGTTTTTATTTAGCTCATGAGCTGCGCCTCAGTCTT
CTAAACCACCCATGGATGGTCCAGGATACAGAGGCTGAAACTCTGACTGGTTTTTTGAATGGCATTGAGT
GGATTCTTGAAGAAGTAGAATCTAAGCGTGCAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

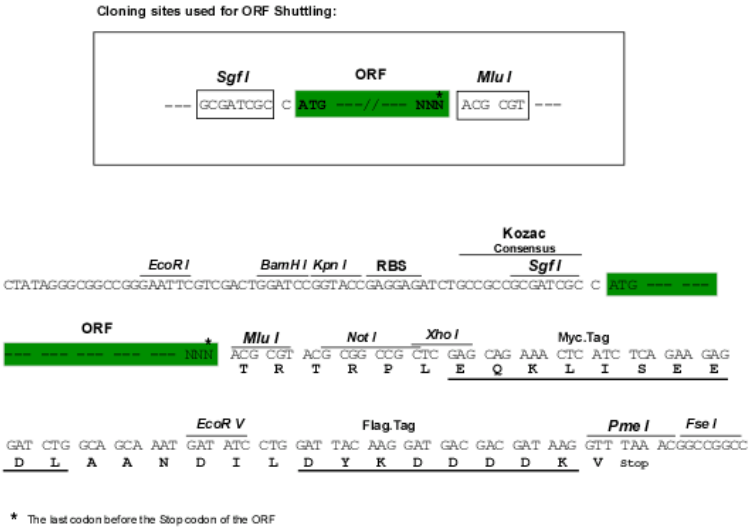
>MR206003 protein sequence
Red=Cloning site Green=Tags(s)

MAGSEPRGAGSPPPASDWGRLEAAILSGWRTFWYSVAKERATPTASRKEAAEETSALTRLPVDVQLYILS
FLSPHDLCQLGSTDHYWNKTVRDPILWRYFLLRDLPSWSSVDWKSLPDLEILKKPISEVTDSTCLDYMEV
YKMCCPYTRRALKASRPMYGVVTSFLHSLIIQNEPRFAMFGPGLEELNTSLVLSLMSSEDLCPTAGLPHR
QIDGIGSGVNFQLNNQQKFNILILYSTTRKERDRAREEHTSTVNKMFSLQSEGDEQQGSRYSVIPQIQKV
CEVVDGFIYVANAEAHRRHEWQDEFSRIMAMTDPAFGSSGRPMLVLSCISQADVKRMPCFYLAHELRLSL
LNHPWMVQDTEAETLTGFLNGIEWILEEVESKRAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_134099

ORF Size: 1158 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_134099.1, NP_598860.1

RefSeq Size: 3479 bp

RefSeq ORF: 1158 bp

Locus ID: 106052

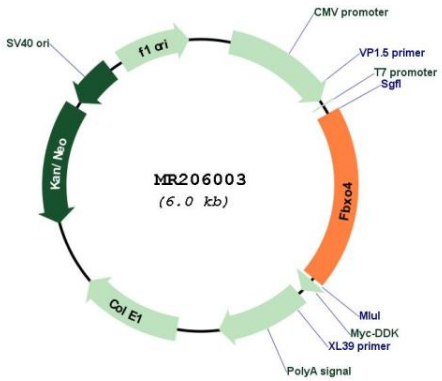
UniProt ID: Q8CHQ0

Cytogenetics: 15 A1

MW: 43.8 kDa

Gene Summary: Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Promotes ubiquitination of CCND1 and its subsequent proteasomal degradation. Recognizes TERF1 and promotes its ubiquitination together with UBE2D1 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206003