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 MC203866

Fbxo9 (NM_023605) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo9 (NM_023605) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fbxo9
Synonyms:	9030401P18Rik; AA986398
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC020074
GCAGAGCAGGCAGCTCCGCCGCTGCGTCCAGACGTCTCCTGCTGGGCCGACGCTCAGCTCTTCGCTCGGT
GCTCGGCCTCCGCTGGCGACCGGCGACCCCTCCGCAGCTCGAGTCCCCGGCCGCCGCAGCGCGCCTGCCT
CCGGCCCCCTGTCCCGCGAAAATGGCTGCCGTACGCCGGGCCCGCAGTTATTGCCGCTGCCTGGTGCGCT
TCTCCGACCGAGAACTCTGCTAAGCCGCGCTGCAGCAGACGGGCAGGAGTAGACACCGGGCAGCCGCCAC
CCCTCCGGGAGCCGGGCGCGGGAAGCCCCTCGACTGGGCCGGCCGCCGGCCAGCATGGCAGAAGCGGAGG
AAGATTGTCATTCTGATGCTGACAGAGTAGGCGATGAAGGAAATGAGAGTCCGGCTGAGAGAGACCTGCA
GGCGCAGCTCCAGATGTTCAGAGCTCAGTGGATGTTTGAACTGACCCCAGGTGTAGGCTCCAGTCATGGA
GAAACTCGGCCTTGCAGAGCAGGAAGAAGCTCTATGCTGAAAGCAGCTGCAGACACCAAAGGACGACAGG
AACTGGCAAAGGAAGAAAAGGCTCGAGAACTCTTCCTGCAGGCAGTGGAGGAAGAACAAAATGGAGCTCT
CTATGAAGCCATCAAGTTCTACCGTAGGGCGATGCAGCTGGTGCCAGACATTGAGTTCAAGATCACTTAC
ACCCGGTCTCCAGACGGCGACGGCGTTGGGAGCGGCTACATCGAAGAGAACGAGGACGCCAGCAAGATGG
CCGATCTCCTGTCGTACTTCCAGCAGCAGCTCACGTTGCAGGAGTCTGTGCTCAAACTCTGTCAGCCTGA
GCTTGAGACCAGTCAGACTCACATATCAGTCCTGCCTATGGAGGTGCTGATGTACATCTTCCGATGGGTG
GTATCAAGTGACTTGGACCTCAGATCGTTAGAGCAGTTGTCACTGGTGTGCAGAGGATTCTATATCTGTG
CCAGAGACCCTGAAATCTGGCGTCTGGCTTGCTTGAAAGTGTGGGGCAGAAGCTGCATGAAGCTCGTTCC
ATACGCGTCCTGGAGAGAGATGTTTCTAGAACGGCCCCGAGTTCGGTTTGATGGAGTGTACATCAGTAAA
ACCACGTATATTCGCCAGGGAGAGCAGTCACTTGATGGTTTCTACAGGGCGTGGCACCAAGTGGAATATT
ACAGATACATGAGATTCTTTCCTGATGGCCATGTGATGATGTTAACCACCCCCGAGGAGCCTCCGTCCAT
CGTTCCCCGGTTAAGAACCAGGAACACCAGAACGGATGCAATTCTGCTGGGTCATTACCGCTTGTCACAA
GATGCAGACAATCAGACCAAAGTCTTTGCTGTAATAACTAAGAAAAAAGAAGAAAAGCCACTTGACCATA
AATACAGGTATTTTCGTCGTGTTCCTGTCCAAGAGGCAGATCACAGCTTCCATGTGGGACTGCAGCTGTG
CTCCAGTGGCCACCAGAGGTTCAACAAACTCATCTGGATCCACCACTCTTGTCACATCACTTACAAAGCA
ACTGGTGAGACTGCAGTGAGTGCTTTTGAGATTGACAAGATGTACACGCCCCTGTTGTTCGCCAGAGTGA
GGAGCTACACTGCCTTCTCGGAAAGGCCTCTGTAGAGCCACACCAGCATGTCACTGCTGCATGAGCAGAA
GCATAGAGCGCTGGGACACCTAAGTTATATGTACATAGACACACGCATGTAGATAGACATGCATATATAC
ATACATGGAGTTGGAGCTTACTTTAAGTTGTTGGAATTCCTTTAAGAAGAGTATAAATTATTTTTTTTAT
TTAAAAGGATAGTTGATTCCTGGGGTACTTTGTTTTGAAATTAGAAGTTGTTAAGGACACTTTTGTTGTA
ATAAATGTTGATGTAGAGTTGAAATCATGTTTTCAAGCAGGTTTCTGAGCAGATCTGTCACATCCACTGC
CTTGTGCCTGAGCATCCTCAACACACATAGGTCAGGGAGCACACTGGAGAGTTCTTATTCCCGCATGACT
TAGTGGCTTTGCATCATACTCAAATGTGAAACCTGTTCTGGATTTGTTTGAAACTGTTCAATAAAGATCA
TAAATAAATGTTTCTTTCAAGGAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_023605

Insert Size: 1311 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	BC020074, AAH20074
RefSeq Size:	2138 bp
RefSeq ORF:	1311 bp
Locus ID:	71538
UniProt ID:	Q8BK06
Cytogenetics:	9 E1
Gene Summary:	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of TTI1 and TELO2 in a CK2-dependent manner, thereby directly regulating mTOR signaling. SCF(FBXO9) recognizes and binds mTORC1-bound TTI1 and TELO2 when they are phosphorylated by CK2 following growth factor deprivation, leading to their degradation. In contrast, the SCF(FBXO9) does not mediate ubiquitination of TTI1 and TELO2 when they are part of the mTORC2 complex. As a consequence, mTORC1 is inactivated to restrain cell growth and protein translation, while mTORC2 is activated due to the relief of feedback inhibition by mTORC1 (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes isoform 1.