

Product datasheet for **RC221371**

FBXO16 (NM_172366) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FBXO16 (NM_172366) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FBXO16
Synonyms: FBX16
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC221371 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGGCATTTCACCTCCAAAAACACAGATGGTCCAAAAATGCAGACAAAGATGAGCACCTGGACAC
CCCTAAACCATCAGCTATTGAATGACCGGGTATTTGAAGAAAGAAGAGCCCTGCTTGCAATGGTTTGA
CAAATGGACAGACTCTCAAAGAAGAAGAATCCTCACAGGCCTGTTGGAGCGCTGCTCGTGTCCAGCAA
AAGTTCTGCTGTCGAAAGCTTCAAGAGAAAATTCAGCAGAAGCCCTGGACTTTACAACCAAGCTTCCAA
GGGTGTTATCTTTATACATCTTTCTTTCTGGACCCTCGGAGCCTTTGTCGTTGTGCACAGGTGTGCTG
GCATTGGAAGAACCTTGCTGAGCTGGACCAGCTCTGGATGCTGAAATGTTTACGGTTAACTGGTACATC
AATTTCTCTCAACTCCCTTTGAGCAGGGGATCTGGAAGAAGCACTATATTCAAATGGTGAAGAAGCTTC
ATATTACCAAGCCTAAGACACCCCAAAGGATGGATTTGTAATCGCTGACGTTCAACTAGTTACAAGCAA
TTCTCCAGAGGAAAAACAGTCCCCTTTATCAGCCTTTTCGGTCTCTTCTCTTTAAGAAAGAAGAATAAC
TCAGGGGAGAAAGCACTTCCACCCTGGCGATCTTCTGATAAGCACCAACAGATATCATTGTTTAAAT
ACCTAGACAACCGTGACCCCATGGAGACTGTCCAGCAAGGAAGAAGAAAAAGAAACCAATGACCCGAGA
CTTCAGCCGACAGTCACATGATAAGAAAAATAAATTCAGGACAGAAGCTAGGCTAAGAAAAAGCACAATCA
ATGATGTCGAGGAGAAATCCCTTCCCACTATGTCCC

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



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Protein Sequence: >RC221371 protein sequence
Red=Cloning site Green=Tags(s)

MMAFAPPKNTDGPKMQTKMSTWTPLNHQLLNDRVFEERRALLGKWFDKWTD SQRRRILTGLLERCSLSQQ
 KFCCRKLQEKIPAEALDFTTKLPRVLSLYIFSLDPRSLCRCAQVCWHWKNLAELDQLWMLKCLRFNWI
 NFSPFPFEQGIWKKHYIQMVKELHITKPKTPPKDGFVIADVQLVTSNSPEEKQSPLSAFRSSSLRKKNN
 SGEKALPPWRSSDKHPTDIIRFNLYLDRNDP METVQQGRRKR NQMTPDFSRQSHDKKNKLQDRTRLRKAQS
 MMSRRNPFPLCP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6447_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172366

ORF Size: 876 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_172366.4](#)

RefSeq Size: 1362 bp

RefSeq ORF: 879 bp

Locus ID: 157574

UniProt ID: [Q8IX29](#)

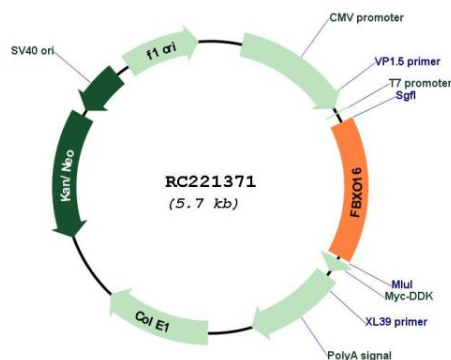
Cytogenetics: 8p21.1

Protein Families: Druggable Genome

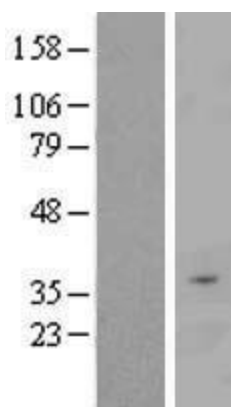
MW: 34.6 kDa

Gene Summary: This gene encodes a member of the F-box protein family, members of which are characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into three classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbx class. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Product images:



Circular map for RC221371



Western blot validation of overexpression lysate (Cat# [LY406732]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221371 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).