

Product datasheet for **RG221371**

FBXO16 (NM_172366) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FBXO16 (NM_172366) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FBXO16
Synonyms: FBX16
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221371 representing NM_172366
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGCATTGACCTCCAAAAACACAGATGGTCCAAAAATGCAGACAAAGATGAGCACCTGGACAC
 CCCTAAACCATCAGCTATTGAATGACCGGGTATTTGAAGAAAGAAGAGCCCTGCTTGCAAATGTTTGA
 CAAATGGACAGACTCTCAAAGAAGAAGAATCCTCACAGGCCTGTTGGAGCGCTGCTCGTGTCCAGCAA
 AAGTTCTGCTGTCGAAAGCTTCAAGAGAAAATTCAGCAGAAGCCCTGGACTTTACAACCAAGCTTCCAA
 GGGTGTATCTTTATACATCTTTCTTTCTGGACCCTCGGAGCCTTTGTCGTTGTGCACAGGTGTGCTG
 GCATTGGAAGAACCTTGCTGAGCTGGACCAGCTCTGGATGCTGAAATGTTTACGGTTAACTGGTACATC
 AATTTCTCTCAACTCCCTTTGAGCAGGGGATCTGGAAGAAGCACTATATTCAAATGGTGAAGAAGCTTC
 ATATTACCAAGCCTAAGACACCCCAAAGGATGGATTTGTAATCGCTGACGTTCAACTAGTTACAAGCAA
 TTCTCCAGAGGAAAAACAGTCCCCTTTATCAGCCTTTTCGGTCTCTTCTCTTTAAGAAAGAAGAATAAC
 TCAGGGGAGAAAGCACTTCCACCCTGGCGATCTTCTGATAAGCACCCAACAGATATCATTGTTTAAAT
 ACCTAGACAACCGTGACCCCATGGAGACTGTCCAGCAAGGAAGAAGAAAAAGAAACCAATGACCCGAGA
 CTTTCAGCCGACAGTCACATGATAAGAAAAATAAATTCAGGACAGAAGCTAGGCTAAGAAAAAGCACAATCA
 ATGATGTCGAGGAGAAATCCCTTCCCACTATGTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221371 representing NM_172366
Red=Cloning site Green=Tags(s)

MMAFAPPKNTDGPKMQTKMSTWTPLNHQLLNDRVFEERRALLGKWFDKWTD SQRRRILTGLLERCSLSQQ
 KFCCRKLQEKIPAEALDFTTKLPRVLSLYIFSLDPRSLCRCAQVCWHWKNLAELDQLWMLKCLRFNWI
 NFSPPTFEQGIWKKHYIQMVKELHITKPKTPPKDGFVIADVQLVTSNSPEEKQSPLSAFRSSSLRKKNN
 SGEKALPPWRSSDKHPTDIIRFNLYLDNRDPMETVQQGRRKRNPMPDFSRQSHDKKNKLQDRTRLRKAQS
 MMSRRNPFPLCP

TRTRPLE - GFP Tag - V

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_172366.2](#), [NP_758954.1](#)

RefSeq Size: 1292 bp

RefSeq ORF: 879 bp

Locus ID: 157574

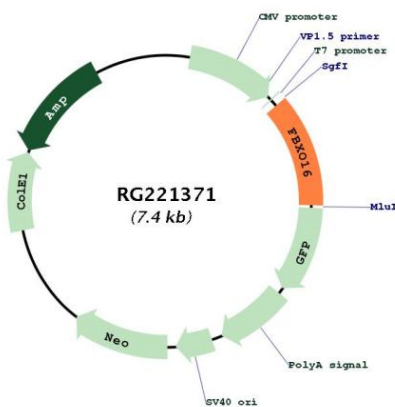
UniProt ID: [Q8IX29](#)

Cytogenetics: 8p21.1

Protein Families: Druggable Genome

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 RG221371