

Product datasheet for **RG228461**

FBXO24 (NM_001163499) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO24 (NM_001163499) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXO24
Synonyms:	FBX24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG228461 representing NM_001163499
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGAAGAGAAGCTGCCCTTCTGTGGCTCGGAGCTTGGGTTGAAGAGAAGAGGGGAAAGGAAATC
 CGATTTCCATCCAGTTGTTCCCCCAGAGCTGGTGGAGCATATCATCTCATTCTCCAGTCAGAGACCT
 TGTGGCCCTCGGCCAGACCTGCCGCTACTTCCACGAAGTGTGCGATGGGAAGGCGTGTGGAGACGCATC
 TGTGCGAGACTCAGTCCGCGCCTCAAGATCAGGGTTCTGGAGTCCGGCCCTGGAAGAGAGCTGCCATTC
 TGAACTACACGAAGGGCCTGATTTCCAGGCATTTGGAGGCCGCCCGATGTCTCAGCAAGAGCGTGGC
 CCCCTTGTAGCCACGGCTACCGCCGCTTCTTGCCACCAAGGATCACGTCTTCATTCTTGACTACGTG
 GGGACCCTCTTCTCATAAAATGCCCTGGTCTCCACCCTCGGCCAGATGCAGTGAAGCGGGCCTGTC
 GCTATGTTGTGTTGTGTCGTGGAGCCAAGGATTTGCCTCGGACCAAGGTGTGACACAGTTTACCGTAA
 ATACCTCTACGTCTTGGCCACTCGGGAGCCGAGGAAGTGGTGGTACCACCAGCAGCCGGCCTGTGAC
 TGTGTTGAGGTCTATCTGCACTAGTGGGAGCGGGTCTCAAGATGACATTCCACCACTCAATGACCT
 TCAAGCAGATCGTGTGTTGGTTCAGGAGACCCAGCGGGCTCTACTGCTCCTCACAGAGGAAGGAAAGAT
 CTACTCTTTGGTAGTGAATGAGACCCAGCTTGACCAGCCACGCTCCTACACGGTTCAGCTGGCCCTGAGG
 AAGGTGTCCCACTACCTGCCTCACCTGCGCGTGGCCTGCATGACTTCCAACCAGAGCAGCACCCCTACG
 TCACAGACCAGGGGGAGTGTATTTGAGGTGCATACCCAGGGGTGATCGCGATCTCTTTGGGACCCT
 TCAAGCCTTTGACCCCTGGACCAGCAGATGCCGCTTGTCTCTCACTGCCTGCCAAGATCCTATTCTGT
 GCTCTTGGCTACAACCACCTTGGCCTGGTGGATGAATTTGGCCGAATCTCATGCAAGGAAATAACAGAT
 ACGGGCAGCTAGGAACAGGGGACAAAATGGACCGAGGGGAACCCACACAGTTTTGTACCTGACGCGCC
 CATCACCTGTGGTGCAGCCCAACCACTCCCTGGTGTGAGCCAGAGCTCAGAGTTCAGCAAGGAGCTG
 CTGGGCTGCGGCTGTGGGCTGGGGCCGCTCCAGGCTGGCCCAAGGGGAGTGCCTCCTTCGTAAGC
 TCCAAGTCAAGGTCCCTCTGTGTGCTGTGCCCTCTGTGCCACCAGGGAGTGCCTATACATCCTGTCCAG
 CCACGACATTGAGCAGCACGCCCTATCGCCACCTGCCAGCCAGAGGGTGGTGGGACTCCTGAGCCC
 AGCCTGGGGGCCAGAGCACCCAGGACCCCGGGGGATGGCCAGGCTGCGAGGAGTACCTCAGCCAGA
 TCCACAGTTGCCAAACGTTGCAGGACCGCAGGAGAAGATGAAGGAGATCGTAGGGTGGATGCCCTGAT
 GGCCGCACAGAAGGACTTCTTGGGAGGCCCTGGACATGCTGCAGAGGGCTGAAGGAGGCGGGGTGTT
 GTAGGGCCCCAGCCCCTGAGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG228461 representing NM_001163499
 Red=Cloning site Green=Tags(s)

MVKRSCPCSGSELGVEEKRGKGNPISIQLFPELVEHIIISFLPVRDLVALGQTCRYFHEVCDGEGVWRI
 CRRLSPRLQDQSGVPRPWKRAAILNYTKGLYFQAFGRRRCLSKSVAPLLAHGYRRFLPTKDHVFLDYV
 GTLFFLNALVSTLGQMQRACRYVVLCRGAKDFASDPRCDTVYRKLYVVLATREPQEVVGTSSRACD
 CVEVYLQSSGQRFKMTFHHSMTFKQIVLVQETQRALLL TEEGKIYSLVNETQLDQPRSYYVQLALR
 KVSHYLPRLRVACMTSNQSSTLYVTDQGGVYFEVHTPGVYRDLFGTLQAFDPLDQMQMPLALSLPAKILFC
 ALGYNHLGLVDFGRIFMQGNNRYQLGTGDKMDRGEPTQVCYLQRPITLWCGLNHSLVLSQSSEFSKEL
 LCGCGAGGRLPGWPKGSASFVKLQVKVPLCACALCATRECLYILSSHDIHQHAPYRHLPASRVVGTPEP
 SLGARAPQDPGMAQACEEYLSQIHSCQTLQDRTEKMEIVGWMPLMAAQKDFWEALDMLQRAEGGGG
 VGPPAPET

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001163499

ORF Size: 1704 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_001163499.2](#)

RefSeq Size: 2031 bp

RefSeq ORF: 1707 bp

Locus ID: 26261

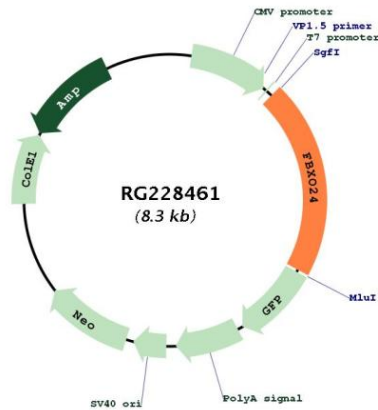
UniProt ID: [O75426](#)

Cytogenetics: 7q22.1

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 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 Fbxs class. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009]

Product images:



Circular map for RG228461