

Product datasheet for **RG229311**

FBXO24 (NM_012172) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO24 (NM_012172) 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:

>RG229311 representing NM_012172
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGTGGGAAAGCCAGCAGGAACGGGGGGCCAAAGGCCTAGGAGACAGGAGGCAGGAGCAGGGAGG
 GGGCAATCAGGATGGTCAGGGGAAGCCAGAGACGGAAAGCTGCAAAAATTCACCAGGCTGTGTGGACGGGA
 GGAGGGGCTCCGGGTGAAGAGAAGCTGCCCTTCTGTGGCTCGGAGCTTGGGGTTGAAGAGAAGAGGGGG
 AAAGGAAATCCGATTTCCATCCAGTTGTTCCCCCAGAGCTGGTGGAGCATATCATCTCATTCTCCACAG
 TCAGAGACCTTGTGCCCTCGGCCAGACCTGCCGCTACTTCCACGAAGTGTGCGATGGGAAGGCGTGTG
 GAGACGCATCTGTCGAGACTCAGTCCGCGCTCCAAGATCAGGGTCTGGAGTCCGGCCCTGGAAGAGA
 GCTGCCATTCTGAACTACACGAAGGGCCTGTATTTCCAGGCATTTGGAGGCCGCCCGATGTCTCAGCA
 AGAGCGTGGCCCCCTTGCTAGCCCACGGCTACCGCGCTTCTTGGCCACCAAGGATCACGCTTTCATTCT
 TGACTACGTGGGACCCCTTCTTCTCAAAAATGCCCTGGTCTCCACCCTCGGCCAGATGCAGTGAAG
 CGGGCCTGTCGCTATGTTGTGTTGTGTCGTGGAGCCAAGGATTTGCCTCGGACCAAGGTGTGACACAG
 TTTACCGTAAATACCTCTACGTCTTGGCCACTCGGGAGCCGAGGAAGTGGTGGGTACCACCAGCAGCCG
 GGCTGTGACTGTGTTGAGGTCTATCTGCACTAGTGGGAGCGGGTCTCAAGATGACATTCACCAC
 TCAATGACCTTCAAGCAGATCGTCTGGTGGTTCAGGAGACCCAGCGGGCTACTGCTCCTCACAGAGG
 AAGGAAAGATCTACTCTTTGGTAGTGAATGAGACCCAGCTTGACCAGCCACGCTCCTACACGGTTACGT
 GGCCCTGAGGAAGGTGTCCACTACCTGCCTCACCTGCGGTGGCTGCATGACTTCCAACCAGAGCAGC
 ACCCTCTACGTCACAGACCAGGGGGAGTGTATTTGAGGTGCATACCCAGGGGTGTATCGGATCTCT
 TTGGGACCTTCAAGCCTTTGACCCCTGGACCAGCAGATGCCGCTTGTCTCTCACTGCCAAGAT
 CCTATTCTGTGCTCTTGGCTACAACCACCTTGGCCTGGTGGATGAATTTGGCCGAATCTTCATGCAAGGA
 AATAACAGATACGGCAGCTAGGAACAGGGGACAAAATGGACCGAGGGGAACCCACACAGGTTTGTACC
 TGCAGCGGCCATCACCTGTGGTGCAGCCTCAACCCTCCCTGGTGTGAGCCAGAGCTCAGAGTTCAG
 CAAGGAGCTGCTGGGCTGCGGCTGTGGGCTGGGGCCGCTCCAGGCTGGCCAAAGGGGAGTGCCTCC
 TTCGTCAGCTCCAAGTCAAGTCCCTCTGTGTGCTGTGCCCTGTGCCACCAGGGAGTGCCTATACA
 TCCTGTCCAGCCACGACATTGAGCAGCACGCCCTATCGCCACCTGCCAGCCAGAGGGTGGTGGGGAC
 TCCTGAGCCAGCCTGGGGCCAGAGCACCCAGGACCCGGGGGATGGCCAGGCTGCGAGGAGTAC
 CTAGCCAGATCCACAGTTGCCAAAGTTCAGGACCGCAGGAGAAGATGAAGGAGATCGTAGGGTGA
 TGCCCTGATGGCCGACAGAAGGACTTCTTCTGGGAGGCCCTGGACATGCTGCAGAGGGCTGAAGGAGG
 CGGGGGTGGTGTAGGGCCCCAGCCCCTGAGACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG229311 representing NM_012172
 Red=Cloning site Green=Tags(s)

MVWESQQERGGQGP RRQEGRSREGAIRMVRSQRRKLQKFTRLGREGELRVKRSCPCSGSELGVEEKRG
 KGNPISIQLPPELVEHIIISFLPVRDLVALGQTCRYFHEVCDGEGVWRRICRRLSPRLQDQSGVPRPWR
 AAILNYTKGLYFQAFGRRRCLSKSVAPLLAHGYRRFLPTKDHVFI LDYVGTLLFLLKNALVSTLGQM QWK
 RACRYVVL CRGAKDFASDPRCDTVYRKYL VVLA TREPQEVVGTSSRACDCVEVYLQSSGQRVFKMTFHH
 SMTFKQIVLVGQETQRALLLL TEEGKIYSLV VNETQLDQPRS YTVQLALRKVSHYLP HLRVACMTSNQSS
 TLYVTDQGGVYFEVHTPGVYRDLFGTLQAFDPLDQQMPLALS LPAKILFCALGYNHLGLVDEFGRIFMQG
 NNRYGQLGTGDKMDRGEPTQVCYLQRPITLWCGLNHSLVLSQSSEFSKELLGCGCAGGRLPGWPKGSAS
 FVKLQVKVPLCACALCATRECLYILSSHIEQHAPYRHLPASRVVGTPEPSLGARAPQDPGMAQACEEY
 LSQIHSQCQLQDRTEKMEIVGWMLMAAQKDFWF EALDMLQRAEGGGGVGPPAPET

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none">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_012172.5
RefSeq Size:	2181 bp
RefSeq ORF:	1857 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]