

Product datasheet for **RG223661**

Fbx32 (FBXO32) (NM_058229) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbx32 (FBXO32) (NM_058229) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbx32
Synonyms:	Fbx32; MAFbx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223661 representing NM_058229 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCATTCCTCGGGCAGGACTGGCGTCCCCGGGCAGAACTGGGTGAAGACGGCCGACGGCTGGAAGC
GCTTCCTGGATGAGAAGAGCGGCAGTTTCGTGAGCGACCTCAGCAGTTACTGCAACAAGGAGGTATACAA
TAAGGAGAATCTTTCAACAGCCTGAACATGATGTTGCAGCCAAGAAGAGAAAGAGGACATGCTGAAT
AGCAAAACAAAACCTCAGTATTTCCACCAAGAAAAATGGATCTATGTTCAAAAGGAAGTACTAAAGAGC
GCCATGGATATTGCACCCTGGGGAAGCTTTCAACAGACTGGACTTCTCAACTGCCATTCTGGATTCCAG
AAGATTTAACTACGTGGTCCGGCTGTTGGAGCTGATAGCAAAGTCACAGCTCACATCCCTGAGTGGCAGC
GCCAAAAGAAGTTCATGAATATTTGGAAAAAGTGGTACTGAAAGTCCCTGAAGACCAGCAAAACATTA
GACTAATAAGGGAAGTACTCCAGACCCTCTACACATCCTTATGTACACTGGTCCAAGAGTCCGGAAGTC
TGTGCTGGTCCGGAACATTAACATGTGGGTGTATCGGATGGAGACGATTCTCCACTGGCAGCAGCAGCTG
ACAACATTAGATCACCAGGCCTGCCTTCAAAGGCCTCACCTTCACTGACCTGCCTTTGTGCCTACAAC
TGAACATCATGCAGAGGCTGAGCGACGGGCGGGACCTGGTCAGCCTGGCCAGGCTGCCCCGACCTGCA
CGTGCTCAGCGAAGACCGGCTGCTGTGGAAGAACTCTGCCAGTACCATTCTCCGAGCGGCAGATCCGC
AAACGATTAATTCTGTGACAGAAAAGGGCAGCTGGATTGGAAGAAGATGATTTCAAACCTGTCCGATGTT
ACCCAAGGAAAGAGCAGTATGGAGATACCCTTCAGCTCTGCAAAACACTGTACATCCTTTCTGGAAGGG
CACTGACCATCCGTGCACTGCCAATAACCCAGAGAGCTGCTCCGTTTCACTTTACCCCAGGACTTTATC
AACTTGTCAAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223661 representing NM_058229
Red=Cloning site Green=Tags(s)

MPFLGQDWRSPGQNWVKTADGWRFLDEKSGSFVSDLSSYCNKEVYNKENLFNSLNYDVAAKRKKDMLN
 SKTKTQYFHQEKWIYVHKGSTKERHGYCTLGEAFNRLDFSTAILDSRRFNYYVRLLELIAKSQLTSLSGI
 AQKNFMNILEKVVLKVLLEDQQNIRLIRELLQTLYTSLCTLVQRVGSVSVL VGNINMMWVYRMETILHWQQQL
 NNIQITRPAFKGLTFTDLPLCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSEDRLWKKLCQYHFSERQIR
 KRLILSDKGQLDWKKMYFKLVRCYPRKEQYGDTLQLCKHCHILSWKGDHPCTANNPESCSVSLSPQDFI
 NLFKF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_058229

ORF Size: 1065 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_058229.4](#)

RefSeq Size: 1530 bp

RefSeq ORF: 1068 bp

Locus ID: 114907

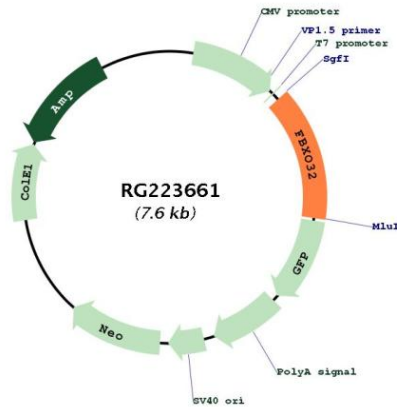
UniProt ID: [Q969P5](#)

Cytogenetics: 8q24.13

Domains: F-box

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 and contains an F-box domain. This protein is highly expressed during muscle atrophy, whereas mice deficient in this gene were found to be resistant to atrophy. This protein is thus a potential drug target for the treatment of muscle atrophy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011]

Product images:



Circular map for RG223661