

## Product datasheet for **RC223661**

### 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:	Myc-DDK
Symbol:	Fbx32
Synonyms:	Fbx32; MAFbx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223661 representing NM_058229 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGCCATTCTCGGGCAGGACTGGCGTCCCCGGGCAGAACTGGGTGAAGACGGCCGACGGCTGGAAGC  
 GCTTCCTGGATGAGAAGAGCGGCAGTTTCGTGAGCGACCTCAGCAGTTACTGCAACAAGGAGGTATACAA  
 TAAGGAGAATCTTTCAACAGCCTGAACATGATGTTGCAGCCAAGAAGAGAAAGAGACATGCTGAAT  
 AGCAAAACAAAACCTCAGTATTTCCACCAAGAAAAATGGATCTATGTTCAAAAGGAAGTACTAAAGAGC  
 GCCATGGATATTGCACCCTGGGGAAGCTTTCAACAGACTGGACTTCTCAACTGCCATTCTGGATTCCAG  
 AAGATTTAACTACGTGGTCCGGCTGTTGGAGCTGATAGCAAAGTCACAGCTCACATCCCTGAGTGGCATC  
 GCCCAAAAGAACTTCATGAATATTTGGAAAAAGTGGTACTGAAAGTCCTTGAAGACCAGCAAAACATTA  
 GACTAATAAGGGAACCTACTCCAGACCCTCTACACATCCTTATGTACACTGGTCCAAGAGTCGGCAAGTC  
 TGTGCTGGTCGGGAACATTAACATGTGGGTGTATCGGATGGAGACAATTCTCCACTGGCAGCAGCAGCTG  
 AACAACATTGATCAGATCACCAGGCCTGCCTTCAAAGGCCTCACCTTCACTGACCTGCCTTTGTGCCTACAAC  
 TGAACATCATGCAGAGGCTGAGCGACGGCGGGACCTGGTCAGCTGGGCCAGGCTGCCCCGACCTGCA  
 CGTGCTCAGCGAAGACCGGCTGCTGTGGAAGAACTCTGCCAGTACCATTCTCCGAGCGGCAGATCCGC  
 AAACGATTAATTCTGTGAGACAAAGGGCAGCTGGATTGGAAGAAGATGTATTTCAAACCTTGTCCGATGTT  
 ACCCAAGGAAAGAGCAGTATGGAGATACCCTTCAGCTCTGCAAAACAGTGCACATCCTTTCTGGAAGGG  
 CACTGACCATCCGTGCACTGCCAATAACCCAGAGAGCTGCTCCGTTTCACTTTCACCCAGGACTTTATC  
 AACTTGTCAAGTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >RC223661 representing NM\_058229  
 Red=Cloning site Green=Tags(s)

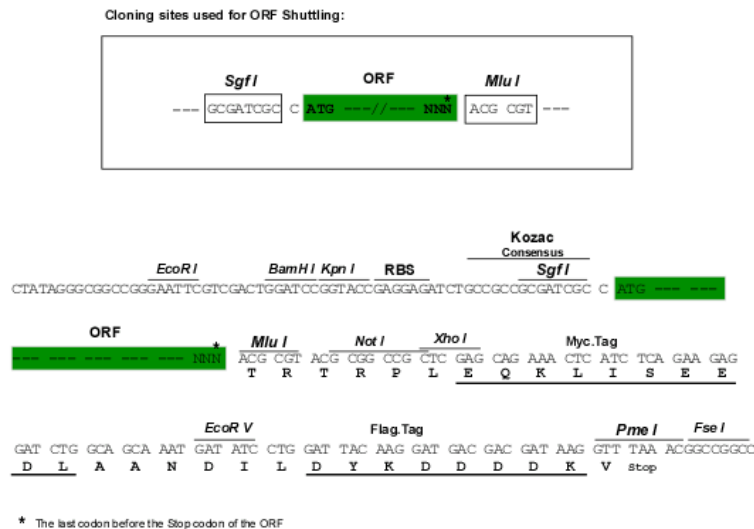
MPFLGQDWRS PGQNWVKTADGWRFLDEKSGSFVSDLSSYCNKEYYNKENLFNSLNYDVA AKRKKDMLN  
 SKTKTQYFHQEKWIYVHKGSTKERHGYCTLGEAFNRLDFSTAILDSRRFNYYVRLLELI AKSQLTSLSGI  
 AQKNFMNILEKVVLKVL EDQQNIRLIRELLQTL YTS LCTLVQRVGKSVLVGNINMWVYRMETILHWQQQL  
 NNIQITRPAFKGLTFTDLPLCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSEDRL LWKLCQYHFSERQIR  
 KRLILSDKGQLDWKKMYFKLVRCYPRKEQY GDTLQLCKHCHILSWKGT DHPCTANNPESCSVSLSPQDFI  
 NLFFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6111\\_e06.zip](https://cdn.origene.com/chromatograms/mk6111_e06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_058229

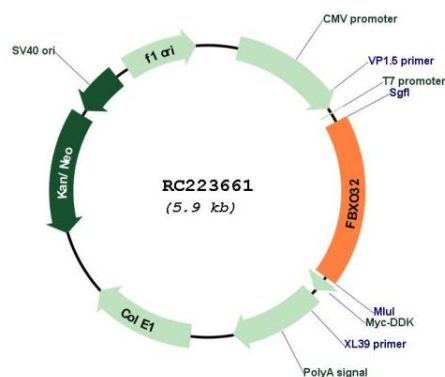
**ORF Size:** 1065 bp

**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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

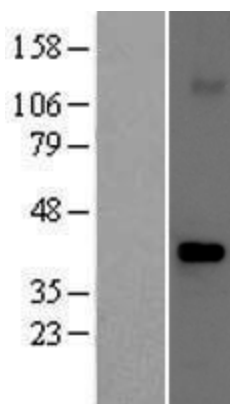
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_058229.4</a>
<b>RefSeq Size:</b>	1530 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	114907
<b>UniProt ID:</b>	<a href="#">Q969P5</a>
<b>Cytogenetics:</b>	8q24.13
<b>Domains:</b>	F-box
<b>MW:</b>	41.5 kDa
<b>Gene Summary:</b>	<p>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]</p>

## Product images:



Circular map for RC223661



Western blot validation of overexpression lysate (Cat# [LY409240]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223661 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).