

## Product datasheet for **MR227260**

### Fbxo32 (NM\_026346) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo32 (NM_026346) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo32
Synonyms:	4833442G10Rik; AI430017; ATROGIN1; Gm20361; MAFbx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227260 representing NM_026346 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGCCGTTCTTGGGCAGGACTGGCGTCCCCGGGCCAGAGCTGGGTGAAGACGGCGGACGGCTGGAAGC  
 GCTTCTTGGATGAGAAAAGCGGCAGCTTCGTGAGCGACCTCAGCAGTTACTGCAACAAGGAGGTATACAG  
 TAAGGAGAATCTGTTCAAGCAGCTGAACACGACGTCGAGCCAAGAAGAGAAAGAAAGACATTCAGAAC  
 AGCAAAACCAAACTCAGTACTTCCATCAAGAAAAGTGGATCTATGTTCAAAAGGAAGTACGAAGGAGC  
 GCCATGGATACTGTACTTTGGGGAAGCTTTCAACAGACTGGACTTCTCGACTGCCATCCTGGATTCCAG  
 AAGATTCAACTACGTAGTAAGGCTGTTGGAGCTGATAGCAAAGTCACAGCTCACATCCCTGAGTGGCATC  
 GCCCAAAAGAACTTCATGAACATTTTGGAAAAAGTGGTACTGAAAGTTCTTGAAGACCAGCAAAACATAA  
 GACTTATACGGGAACCTTCCAGACTCTCTACACATCCTTATGCACACTGGTGCAGAGAGTCGGCAAGTC  
 TGTGCTGGTGGGCAACATTAACATGTGGGTGTATCGGATGGAGACCATTCTACACTGGCAGCAGCAGCTG  
 AATAGCATCCAGATCAGCAGGCCTGCCTTCAAAGGCCTCACGATCACCGACCTGCCTGTGTGCTTACAAC  
 TGAACATCATGCAGAGGCTGAGTGACGGGCGGGACCTGGTCAGCCTGGGCCAGGCAGCCCCAGACCTGCA  
 TGTGCTCAGTGAGGACCGCTACTGTGGAAGAGACTCTGCCAGTACCATTCTCAGAGAGGCAGATTTCG  
 AAGCGTTTGATCTTGTCTGACAAAGGGCAGCTGGATTGGAAGAAGATGTATTTAAAGCTTGTACGATGTT  
 ACCCAAGAAGAGAGCAGTATGGGGTCACCCTGCAGCTTTGCAAAACACTGCCACATTCTCTCTGGAAGGG  
 CACTGACCATCCGTGCACGGCCAACAACCCAGAGAGCTGCTCCGTCTCACTTTCCCTCAAGACTTTATC  
 AATTTGTTCAAGTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >MR227260 representing NM\_026346  
 Red=Cloning site Green=Tags(s)

MPFLGQDWSPGQSWVKTAGDQWKRFLDEKSGSFVSDLSSYCNKEVYSKENLFSSLYDVAKKRKKDIQN  
 SKTKTQYFHFQEKWIYVHKGSTKERHGYCTLGEAFNRLDFSTAILDSRRFNYYVRLLELIAKSQLTSLSGI  
 AQKNFMNILEKVVVKVLEDDQNIIRLIRELLQTLYSLCTLVQVRGKSVLVGNINMWVYRMETILHWQQQL  
 NSIQISRPAFKGLTITDLPVCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSEDRLWKRLCQYHFSERQIR  
 KRLILSDKGQLDWKKMYFKLVRCYPRREQYGVTLQLCKHCHILSWKGTDPCTANNPESCSVSLSPQDFI  
 NLFFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9032\\_g07.zip](https://cdn.origene.com/chromatograms/mm9032_g07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_026346

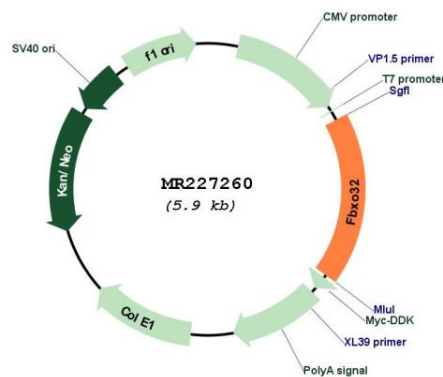
**ORF Size:** 1065 bp

**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>RefSeq:</b>	<a href="#">NM_026346.3</a> , <a href="#">NP_080622.1</a>
<b>RefSeq Size:</b>	6936 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	67731
<b>UniProt ID:</b>	<a href="#">Q9CPU7</a>
<b>Cytogenetics:</b>	15 D1
<b>MW:</b>	42 kDa
<b>Gene Summary:</b>	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes and binds to phosphorylated target proteins during skeletal muscle atrophy. Recognizes TERF1 (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR227260