

Product datasheet for **SC120247**

Fbx32 (FBXO32) (NM_058229) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbx32 (FBXO32) (NM_058229) Human Untagged Clone
Tag:	Tag Free
Symbol:	Fbx32
Synonyms:	Fbx32; MAFbx
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120247 sequence for NM_058229 edited (data generated by NextGen Sequencing)

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ATGCCATTCCCTCGGGCAGGACTGGCGGTCCCCCGGCAGAACTGGGTGAAGACGGCCGAC
GGCTGGAAGCGCTTCCTGGATGAGAAGAGCGGCAGTTTCGTGAGCGACCTCAGCAGTTAC
TGCAACAAGGAGGTATACAATAAGGAGAATCTTTTCAACAGCCTGAACTATGATGTTGCA
GCCAAGAAGAGAAAAGAAGGACATGCTGAATAGCAAAAACAAAACACTCAGTATTTCCACCAA
GAAAAATGGATCTATGTTCAAAAGGAAGTAAAGAGCGCCATGGATATTGCACCCTG
GGGGAAGCTTTCAACAGACTGGACTTCTCAACTGCCATTCTGGATTCCAGAAGATTTAAC
TACGTGGTCCGGCTGTTGGAGCTGATAGCAAAGTACAGCTCACATCCCTGAGTGGCATC
GCCAAAAGAAGTTCATGAATATTTGGAAAAAGTGGTACTGAAAGTCCTTGAAGACCAG
CAAACATTAGACTAATAAGGGAAGTACTCCAGACCCTTACACATCCTTATGTACTG
GTCCAAAGAGTCGCAAGTCTGTGCTGGTGGGAACATTAACATGTGGGTGTATCGGATG
GAGACGATTCTCCACTGGCAGCAGCAGTGAACAACATTGATCACCAGGCCTGCCTTC
AAAGGCCTCACCTTCACTGACCTGCCTTTGTGCCTACAACATGACATCATGCAGAGGCTG
AGCGACGGGCGGGACCTGGTCAGCCTGGGCCAGGCTGCCCGGACCTGCACGTGCTCAGC
GAAGACCGGCTGCTGTGGAAGAACTCTGCCAGTACCATTCTCCGAGCGGCAGATCCGC
AAACGATTAATTCTGTGACACAAAGGGCAGCTGGATTGGAAGAAGATGTATTTCAAACCT
GTCCGATGTTACCAAGGAAAGAGCAGTATGGAGATACCCTTCAGCTCTGCAAACACTGT
CACATCCTTTCTGGAAGGGCACTGACCATCCGTGCACTGCCAATAACCCAGAGAGCTGC
TCCGTTTCACTTTACCCAGGACTTTATCAACTGTTCAAGTTCTGA

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Clone variation with respect to NM_058229.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_058229 unedited
 GATTTTGTAAACGACTCACTATAGGGCGGCCGCTGCAACGCTTGAGATCCTCTCCGC
 GCCCGCCACCCCGCAGGGTGCCTCCGCGCGTTCCCGCCGCCCGCCCGCCCGCTCGCGGG
 CCCCTGCACCCCGAGCATCCGCCCGGGTGGCAGTCCCCGAGCCACCAGGCCGCCCC
 GTCTCCCATCCGTCTAGTCCGCTCGCGGTGCCATGCCATTCTCGGGCAGGACTGGCGG
 TCCCCCGGCAGAAGTGGTGAAGACGGCCGACGGTGGAAAGCGTTCTTGATGAGAAG
 AGCGGCAGTTTCGTGAGCGACCTCAGCAGTTACTGCAACAAGGAGTATACAATAAGGAG
 AATCTTTTCAACAGCCTGAACATGATGTTGCAGCCAAGAAGAGAAAGAAGGACATGCTG
 AATAGCAAAACAAAACCTCAGTATTTCCACCAAGAAAAATGGATCTATGTTACAAAAGGA
 AGTACTAAAGAGCGCCATGGATATTGCACCCTGGGGGAAGCTTTCAACAGACTGGACTTC
 TCAACTGCCATTCTGGATTCCAGAAGATTTAACTACGTGGTCCGGCTGTTGGAGCTGATA
 GCAAAGTCACAGCTCACATCCCTGAGTGGCATCGCCAAAAGAAGTTCATGAATATTTTG
 GAAAAAGTGGTACTGAAAGTCCTTGAAGACCAGCAAAACATTAGACCTAATAGGGAATA
 CTCAGACCTCTACACATNCTTATGTACTGGTCCAAAGAGTCGGNCAGTCTGTGCTG
 GTCGGGAACATTACATGGNGGGTATCGGATGGAGACAATTCTACTGGCAGCAGCAGC
 TGAACACATTAGATCACCAGCCTGGCTTCAAGGCCTCACCTTACTGACCTGNCTTNGG
 TGCTACTGACTCATGCANAGGCTGACGACGGNCGGNACCTGGTCAGNCTGGGCCAGC
 TGNCCCCGACTGCCGTGCTTANNGAGACCGCTGNTTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_058229 unedited
 NGGCCTATTATGTACCGCGCCGATTCTANGATCGATTTTTTTTTTTTTTTTTTTTGTTA
 AAAAAAATTTTATTACAGTATTTTGTCTTTCCATACCAATTCTAGTGAGAAGTTCACAT
 TCTTAAATTTCCAGTCAGCAACTGCATTTCTCCCTCCAATGTCCTCTCCATGACTTATC
 TCTGAAGTTTCGAGCCAATGTTTAAAATGTACTATTTACAAATGAAGTGCCAAATGC
 CATATTTCCAGCTCTCCAGTCAGCAGGGGACCTTCTGAAGTGTGTCATGTGCTGGGA
 TTCAGAACTTGAACAAGTTGATAAAGTCCTGGGGTGAAGTGAACGGAGCAGCTCTCTG
 GGTATTGGCAGTGCACGGATGGTCAGTGCCCTTCCAGGAAAGGATGTGACAGTGTGTC
 AGAGCTGAAGGGTATCTCCATACTGCTCTTCTGGGTAACATCGGACAAGTTTGAAT
 ACATCTTCTTCCAATCCAGCTGCCCTTGTCTGACAGAATTAATCGTTTGCGGATCTGCC
 GCTCGGAGAAGTGGTACTGGCAGAGTTTCTTCCACAGCAGCCGGTCTTCGCTGAGCAGT
 GCAGGTCGGGGCAGCCTGGCCATGCTGACCAGTCCCAGCCCGTCCGCTCAGCCTCTGCA
 TGATGTTCAAGTTGTAAGCACAAAGGCAGGTCAGTGAAGTGATGCCTTTGAAGGCAGGCC
 TGGTGATCTGAATGTTGTTCAACTGCTGCTGCCAGTGGAGAATTGTCTCCATCCGATACA
 CCCACATGTTAATGTTTCCCGACCAGCACAGACTTGCCGACTCTTTGGACCAGTGTACAT
 AAGATGTGGTAAAGGGTCTGGAATAA

Restriction Sites:

NotI-NotI

ACCN:

NM_058229

Insert Size:

1500 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](#)

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_058229.2](#), [NP_478136.1](#)

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]

Transcript Variant: This variant (1) has a longer and alternate 5' terminal sequence containing an in-frame translation start codon, as compared to variant 2. It encodes a longer isoform (1).
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.