

Product datasheet for **SC101194**

Fbx32 (FBXO32) (NM_148177) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbx32 (FBXO32) (NM_148177) Human Untagged Clone
Tag:	Tag Free
Symbol:	Fbx32
Synonyms:	Fbx32; MAFbx
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC101194 sequence for NM_148177 edited (data generated by NextGen Sequencing)

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ATGAATATTTGGAAAAAGTGGTACTGAAAGTCCTTGAAGACCAGCAAAACATTAGACTA
ATAAGGGAACACTCCAGACCCTTACACATCCTTATGTACACTGGTCCAAGAGTCGGC
AAGTCTGTGCTGGTCGGGAACATTAACATGTGGGTGTATCGGATGGAGACGATTCTCCAC
TGGCAGCAGCAGCTGAACAACATTAGATCACCAGGCCTGCCTTCAAAGGCCTCACCTTC
ACTGACCTGCCTTTGTGCCTACAACATCAATGCAGAGGCTGAGCGACGGCGGGAC
CTGGTCAGCCTGGGCCAGGCTGCCCCGACCTGCACGTGCTCAGCGAAGACCGGCTGCTG
TGAAGAAACTCTGCCAGTACCCTTCTCCGAGCGGCAGATCCGCAAACGATTAATTCTG
TCAGACAAAGGGCAGCTGGATTGGAAGAAGATGTATTTCAAACCTGTCCGATGTTACCCA
AGGAAAGAGCAGTATGGAGATACCCTTCAGCTCTGCAAACACTGTCACATCCTTTCTGG
AAGGGCACTGACCATCCGTGCACTGCCAATAACCCAGAGAGCTGCTCCGTTTCACTTTCA
CCCCAGGACTTTATCAACTTGTTCAAGTTCTGA
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Clone variation with respect to NM_148177.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_148177 unedited
 TTGATACATCCTTAGCGGCCGGAATCGCCGAGGTGGCATCGCCCAAAAACTATGAATA
 TTTTGGAAAAGTGGTACTGAAAGTCCTTGAAGACCAGCAAAACATTAGACTAATAAGGGA
 ACTACTCCAGACCCTCTACACATCCTTATGTACACTGGTCCAAGAGTCGGCAAGTCTGT
 GCTGGTCGGGAACATTAACATGTGGGTGTATCGGATGGAGACGATTCTCCACTGGCAGCA
 GCAGCTGAACAACATTAGATCACCAGGCCTGCCTTCAAAGGCCTCACCTTCACTGACCT
 GCCTTTGTGCCTACAACGAACATCATGCAGAGGCTGAGCGACGGGCGGGACCTGGTCAG
 CCTGGGCCAGGCTGCCCCGACCTGCACGTGCTCAGCGAAGACCGGCTGCTGTGGAAGAA
 ACTCTGCCAGTACCACTTCTCCGAGCGGAGATCCGCAAACGATTAATTCTGTGAGACAA
 AGGGCAGCTGGATTGGAAGAAGATGATTTCAAACCTTGTCCGATGTTACCCAAGGAAAGA
 GCAGTATGGAGATACCTTCAGCTCTGCAAACACTGTCACATCCTTCTGGAAGGGCAC
 TGACCATCCGTGCACTGCCAATAACCCAGAGAGCTGCTCCGTTTCACTTTCACCCAGGA
 CTTTATCAACTTNTCAAGTTCTGAATCCCAGCACATGACAACACTTCAGAAAGTCCCC
 CTGCTGACTGGAGAGCTGGGAATATGGCATTGGACACTTCATTTGTAATAGTGTACATT
 TTAACATTGGCTCGAAACTTCANAGATAAGTCATGGAGAAGACATTGNAGGGGAGAAAT
 GCATTGCTGACTGGGAAATTAAGAAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_148177 unedited
 TGGTGTGNATTGGCCCCNGTTAGGGATTNCTAGTTATTTTTTTTTTTTTTCTAAACAA
 ATTTTCACATTGTAACAAAAGCGTCTATTTTGTATTTGAGTTTTGCCTTTTTCTCCTA
 GGGAACTATAAGAGAGTTTCTGTGACCATTAAGAGGACTCCATTTTCACCGCTGAAATAG
 AATTATTGCCCTTATAGTCTTGCTGGCAAATTGTTAGAAAAAAGTTTATTTACAGTATT
 TTGCTTTTCCATACCAATTCTAGTGAGAAGTTCACATTCTTAAATCCCAGTCAGCAACT
 GCATTTCTCCCTCCAATGTCTCTCCATGACTTATCTCTGAAGTTTCGAGCCAATGTTT
 AAAATGTACACTATTTACAAATGAAGTGTCAAATGCCATATTTCCAGCTCTCCAGTCAG
 CAGGGGGACCCTTCTGAAGTGTGTGATGTGCTGGGATTGAGAACTTGAACAAGTTGATA
 AAGTCTGGGGTGAAGTGAACGGAGCAGCTCTCTGGGTATTGGCAGTGCACGGATGG
 TCAGTGCCTTCCAGGAAAGGATGTGACAGTGTTCAGAGCTGAAGGGTATCTCCATAC
 TGCTCTTCTCTGGGTAACATCGGACAAGTTTGAATACATCTTCTTCCAATCCAGCTGC
 CCTTTGTCTGACAGAATTAATCGTTTGGGATCTGCCGCTCGGAGAAGTGGTACTGGCAG
 AGTTTCTCCACAGCAGCCGGTCTTCCCTGAGCACGTGCAGGTCGGGGGCAGCCTGGCCC
 AGGCTGACCAGTCCCGCCCGTCTGCTCAGCCTCTGCATGATGTTAAGGTGGAGGGCACA
 AGCCGGTCATTGGAAGGGAGGCCCTTAAAGGCAGGCCTGGGGATCTGAATGTTGTTCAAC
 TGCTGCTGCCAGTGGGAAATTCTCTCCTTCCGATAACCCCCAGTTGAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_148177

Insert Size:

1150 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_148177.1](#), [NP_680482.1](#)

RefSeq Size: 1212 bp

RefSeq ORF: 633 bp

Locus ID: 114907

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 (2) has a shorter and alternate 5' terminal sequence lacking an in-frame translation start codon, as compared to variant 1. It uses a downstream in-frame translation start codon and encodes a shorter isoform (2). 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.