

Product datasheet for RC206217

Fbx32 (FBXO32) (NM_148177) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fbx32 (FBXO32) (NM_148177) 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: >RC206217 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATATTTTGGAAAAAGTGGTACTGAAAGTCCTTGAAGACCAGCAAACATTAGACTAATAAGGGAAC
 TACTCCAGACCCCTACACATCCTTATGTACACTGGTCCAAGAGTCGGCAAGTCTGTGCTGGTCCGGAA
 CATTAAACATGTGGGTGTATCGGATGGAGACGATTCTCCACTGGCAGCAGCTGAACAACATTCAGATC
 ACCAGGCCTGCCTCAAAGGCCTCACCTTCACTGACCTGCCTTTGTGCCTACAACGAACATCATGCAGA
 GGCTGAGCGACGGCGGGACCTGGTCAGCCTGGGCCAGGCTGCCCCGACCTGCACGTGCTCAGCGAAGA
 CCGGCTGCTGTGGAAGAACTCTGCCAGTACCATTCTCCGAGCGCAGATCCGCAACGATTAATTCTG
 TCAGACAAAGGGCAGCTGGATTGGAAGAAGATGTATTTCAAACCTCGTCCGATGTTACCCAAGGAAAGAGC
 AGTATGGAGATACCCTTCAGCTCCGCAACACTGTACATCCTTTCTGGAAGGGCACTGACCATCCGTG
 CACTGCCAATAACCCAGAGAGCTGCTCCGTTTCACTTTACCCCAAGGACTTTATCAACTGTTCAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206217 protein sequence
 Red=Cloning site Green=Tags(s)

MNILEKVVLKVLLEDQQNIRLIPELLQTLYLSLCTLVQVRVGSVLVGNINMWWYRMETILHWQQQLNNIQI
 TRPAFKGLTFTDLPLCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSEDRLWKKLCQYHFSERQIRKRLIL
 SDKGQLDWKKMYFKLVRCYPRKEQYGDTLQLRKHCHILSWKGDHPCTANNPESCSVSLSPQDFINLFKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6135_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_148177

ORF Size: 630 bp

OTI Disclaimer: 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_148177.2](#)

RefSeq Size: 6435 bp

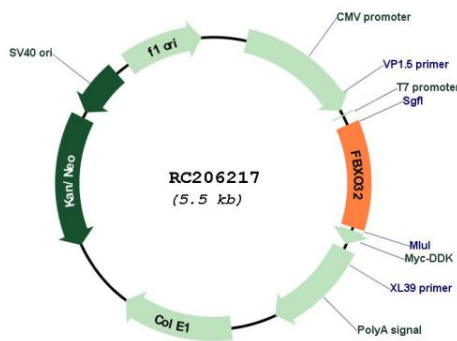
RefSeq ORF: 633 bp

Locus ID: 114907

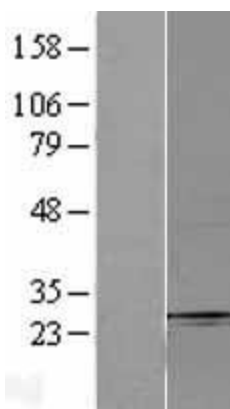
Cytogenetics: 8q24.13
Domains: F-box
MW: 24.8 kDa

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 RC206217



Western blot validation of overexpression lysate (Cat# [LY403448]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206217 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).