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Product datasheet for MC210615

Fbxo32 (NM_026346) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fbxo32 (NM_026346) Mouse Untagged Clone

Tag: Tag Free

Symbol: Fbxo32

Synonyms: 4833442G10Rik; AI430017; ATROGIN1; Gm20361; MAFbx

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

Fully Sequenced ORF:

>MC210615 representing NM_026346
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGTTCCTTGGGCAGGACTGGCGGTCCCCGGGCCAGAGCTGGGTGAAGACGGCGGACGGCTGGAAGC
GCTTCTTGGATGAGAAAAGCGGCAGCTTCGTGAGCGACCTCAGCAGTTACTGCAACAAGGAGGTATACAG
TAAGGAGAATCTGTTCAGCAGCCTGAACTACGACGTCGCAGCCAAGAAGAGAAAGAAAGACATTCAGAAC
AGCAAAACCAAAACTCAGTACTTCCATCAAGAAAAGTGGATCTATGTTCACAAAGGAAGTACGAAGGAGC
GCCATGGATACTGTACTTTGGGGGAAGCTTTCAACAGACTGGACTTCTCGACTGCCATCCTGGATTCCAG
AAGATTCAACTACGTAGTAAGGCTGTTGGAGCTGATAGCAAAGTCACAGCTCACATCCCTGAGTGGCATC
GCCCAAAAGAACTTCATGAACATTTTGGAAAAAGTGGTACTGAAAGTTCTTGAAGACCAGCAAAACATAA
GACTTATACGGGAACTTCTCCAGACTCTCTACACATCCTTATGCACACTGGTGCAGAGAGTCGGCAAGTC
TGTGCTGGTGGGCAACATTAACATGTGGGTGTATCGGATGGAGACCATTCTACACTGGCAGCAGCAGCTG
AATAGCATCCAGATCAGCAGGCCTGCCTTCAAAGGCCTCACGATCACCGACCTGCCTGTGTGCTTACAAC
TGAACATCATGCAGAGGCTGAGTGACGGGCGGGACCTGGTCAGCCTGGGCCAGGCAGCCCCAGACCTGCA
TGTGCTCAGTGAGGACCGGCTACTGTGGAAGAGACTCTGCCAGTACCACTTCTCAGAGAGGCAGATTCGC
AAGCGTTTGATCTTGTCTGACAAAGGGCAGCTGGATTGGAAGAAGATGTATTTTAAGCTTGTACGATGTT
ACCCAAGAAGAGAGCAGTATGGGGTCACCCTGCAGCTTTGCAAACACTGCCACATTCTCTCCTGGAAGGG
CACTGACCATCCGTGCACGGCCAACAACCCAGAGAGCTGCTCCGTCTCACTTTCCCCTCAAGACTTTATC
AATTTGTTCAAGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_026346

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Insert Size:	1068 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_026346.3, NP_080622.1
RefSeq Size:	6936 bp
RefSeq ORF:	1068 bp
Locus ID:	67731
UniProt ID:	Q9CPU7
Cytogenetics:	15 D1
Gene Summary:	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]