

Product datasheet for RR212771

Fbxo32 (NM_133521) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo32 (NM_133521) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo32
Synonyms:	Atrogin1; MAFbx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR212771 representing NM_133521 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGTTCTTGGTCAGGACTGGCGGTCCCCGGGCCAGAGCTGGGTGAAGACGGCGGACGGCTGGAAGC
GCTTCTTGGATGAGAAAAGCGGCACCTTCGTGAGCGACCTCAGCAGTTACTGCAACAAGGAGAATCTGTT
CAACAGCCTGAACACTGATGTTGCAGCCAAGAAGAGAAAAGACATACAGAACAGCAAAACAAAAC
CAGTATTTCCATCAGGAGAAGTGGATCTATGTTACAAAAGGAGTACTAAGGAGCGCCATGGATACTGCA
CTTTGGGGGAAGCTTTCAACAGACTGGACTTCTCGACTGCCATCCTGGATTCCAGAAGATTCAACTACGT
AGTAAGGCTGTTGGAGCTGATAGCAAAGTCACAGCTCACATCCCTGAGTGGCATCGCCAAAAGAACTTC
ATGAACATTTTGGAAAAAGTAGTACTGAAAGTTCTTGAAGACCAGCAAAACATAAGACTCATACGGGAAC
TTCTCCAGACCCTCTACACATCCTTATGCACGCTGGTCCAGAGAGTCGGCAAGTCCGTGCTGGTGGGCAA
CATCAACATGTGGGTGTATCGAATGGAGACCACTCTACACTGGCAACAGCAGCTGAACAGCATCCAGATC
AGCAGGCCGGCCTTCAAAGGTCTCAGATCACCGACCTGCCTGTGTGCTTAACTGAACATCATGCAGA
GGCTGAGCGATGGGCGGACCTGGTCAGCCTGGGCCAGGCAGCCAGACCTGCATGTGCTCAGTGAAGA
CCGGCTACTGTGGAAGAGACTCTGCCAGTACCCTTCTCAGAGCGGCAGATCCGCAAGCGATTGATCTTG
TCTGACAAAGGGCAGCTGGATTGGAAGAAGATGTACTTTAAGCTTGTGCGATGTTACCAAGAAGAGA
AGTATGGGTACCCCTGCAGCTTTGCAAACTGCCACATTTCTCCTGGAAGGGCACTGACCATCCATG
CACGGCCAACAACCCAGAGAGCTGCTCCGTCTCACTTTACCCCAAGACTTTATTAAGTTGTTCAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212771 representing NM_133521
Red=Cloning site Green=Tags(s)

MPFLGQDWRSPGQSWVKTAGWKRFLDEKSGTFVSDLSSYCNKENLFNSLNYDVAAKRKKDIQNSKTKT
 QYFHQEKWIYVHKGSTKERHGYCTLGEAFNRLDFSTAILDSRRFNYYVRLLELIAKSQTLSLSGIAQKNF
 MNILEKVVLVKVLLEDQQNIRLIRELLQTLYTSLCTLVQRVKGKSVLVGNINMWVYRMETTLHWQQQLNSIQI
 SRPAFKGLTITDLPVCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSEDRLWKRLCQYHFSERQIRKRLIL
 SDKGQLDWKKMYFKLVRCYPRREQYGVTLQLCKHCHILSWKGTDPCTANNPESCSVSLSPQDFINLKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2172_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133521

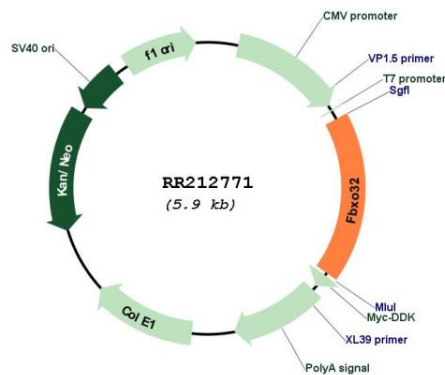
ORF Size: 1050 bp

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](#)

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:	<ol style="list-style-type: none">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_133521.1 , NP_598205.1
RefSeq Size:	1053 bp
RefSeq ORF:	1053 bp
Locus ID:	171043
UniProt ID:	Q91Z62
Cytogenetics:	7q33
MW:	41.4 kDa
Gene Summary:	may act as an SCF-type E3 ubiquitin ligase; plays a role in skeletal atrophy [RGD, Feb 2006]

Product images:



Circular map for RR212771