

Product datasheet for MR206074

Fbxo30 (BC037691) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo30 (BC037691) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo30
Synonyms:	1700026A16Rik; MUSA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206074 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGATGAAGACGATGAGAAGGACTTGTGTTGAAAAAGTAGACTTGGGAGACTTGAAGGATGTTA
ATGTTACACCTTTCAGTCATGCGCCTTCATTCAAGTTTCTTTCTAATTCATGGTATATACCAAAGGAAGA
CAAAGCAGTTGATACATCAGATTTAGAAGTTCAGAAGATCCCATGGCCTCCAAGGAATAGATCTGATT
ACAGCAGCATTACTGTTTTGCTGGGAGATTCTCCAGGTGGGAGAGGTATATCTGATAGCCGCATGACTG
ATGTTTATCACGTTGACTTTGGGACACAGACTTTTCACTTCCATCTGCAATATTAGCTACAATAACAAT
GGTTGGAGAAATAGCTTCGGCTTCAGCTTGTGATCATGCCAATCCACAGCTTCAAATCCAAGCCCTTTT
CAGACACTTGGGCTGGACTTAGTTTTGGAATGTGTTGCTAGGTACCAGCCTAAGCAGCGTTCAATGTTTA
CCTTTGTATGCGGACAGCTATTTAGAAGAAAAGATTTTCTTCCATTTTAAGAAATGTGCATGGTGACAT
TCATGCTGGACTCAATGGATGGATGGAACAGAGGTGTCCTTTAGCTTATTATGGTTGTACCTATTCTCAG
CGTAGATTTTGCCTATCGACACAAGGAGCAAAGATCATAATGATCGCCATTTAAGGTCAATTTGGAGTTC
AGCCATGTGTATCTACAGTATTAGAAGAACCTTCTAGAACTGTGTGTTGGGATTGCGTAGTGACCATCT
AAGTAGTCTCCCTTTGAGGTAATGAGGACGTTTGTGGCAGTTTACTTCAGTCTCGTGAATGGTAATCTTGC
GCATGTGTATCCCGCTAATGAGGACGTTTGTGGCAGTTTACTTCAGTCTCGTGAATGGTAATCTTGC
AGTGGGGGAAGAAGAAGTATCCGGAAGGAAATTCATCATGGCAGATAAAAGAGAAGGTATGGCGATTGAG
TACTGCATTTTGTCTGTTAATGACTGGAAATTTGCTGACATCCTGAGCATGGCTGACCATTGAAGAAC
TGCAGTTACAACGTGATAGAGAAACGGGAGGAAGCCATCCATTGCCGTGTATGTGTGACTCGAGAGC
TTACAAAAGAAGGACGTTCCCTGCGCTCAGTTTTAAAGCCTGTGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206074 protein sequence
 Red=Cloning site Green=Tags(s)

MPDEDDEKDLCKKKVDLGLDKDVNGSPF SHAPSFKFLSNSWYIPKEDKAVDTS DLEVAEDPMGLQGIDLI
 TAALLFCLGDSPPGGRGISDSRMTDVYHDFGTQTFSLPSAILATNTMVGEIASASACDHANPQLSNPSPF
 QTLGLDLVLECVARYQPKQSRMFTFVCGQLFRRKEFSSHFKNVHGDHAGLNGWMEQRCPLAYYGCTYSQ
 RRFPCSTQGAKIIHDRHLRSFGVQPCVSTVLEEPSRNCVLGLRSDHLSLPPFEVLQHIAGFLDGFSLCQL
 ACVSRMLMRDVCGLLSQSRGMVILQWGKKKYPEGNSWQIKEKVWRFSTAFCSVNDWKFADILSMADHLKN
 CSYNVIEKREEAIPLPCMCVTRELTKEGRSLRSVLKPVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC037691

ORF Size: 1167 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: [BC037691](#), [AAH37691](#)

RefSeq Size: 2119 bp

RefSeq ORF: 1169 bp

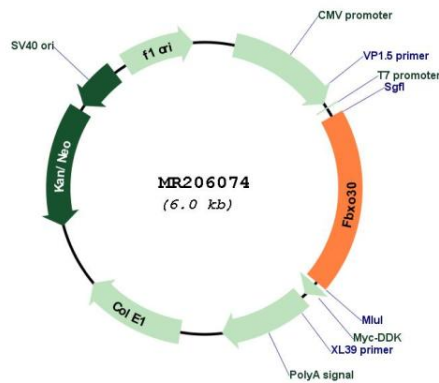
Locus ID: 71865

Cytogenetics: 10 A1

MW: 43.5 kDa

Gene Summary: Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Required for muscle atrophy following denervation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206074