

Product datasheet for **MR204044**

Otud6b (BC031474) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Otud6b (BC031474) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Otud6b
Synonyms:	2600013N14Rik; AU015433
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204044 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGGTCGTGGCTGAAGAGCTCGATGATGAGGAGCAGCTGGTGAGAAGGCATCGGAAGGAGAAGA
AGGAGCTGCAAGCCAAAATTCAGGGAATGAAGAACGCTGTTCCCAAAAACGACAAAAGAGGAGGAAGCA
GCTCACGGAAGATGTTGCTAAATTGAAAGAGAAATGGAGCAAAAACACAGGGAAGAAGCTGGAGCAATTG
AAGCAATTGACTTTCAAGGACAGTAAGATAGATTCTGTTGCTGTTAACATTTCAAAGTGGTACTTGAGA
ATCAACCACCTCGGATTTCAAAGCACAAAAGAGACGGGAAAAGAAGGCTGCATTGGAAAAGGAGCGGGA
AGAAAGGATAGCAGAGGCTGAAATTGAGAACTTATCTGGAGCCAGACATCTTGAGAGTGA AAAACTTGCT
CAAATATTGGCAGCCAGAGAATTGAAAATTAACAGATTCCATCTGATGGTCACTGTATGTATGGAGCAC
TTGAGGATCAGCTGAGAGAACAAGACTGTGCGCTGACTGTGGCTTCCCTGAGGAGGCAGACTGCTGAGTA
CATGCAAACCCATTGAGACGACTTCTGCCGTTTCTAACAACCCAGCACAGGAGATATGTACACGCCA
GAAGAGTTTGGGAAGTACTGTGACGATATTGTGAACACAGCGGCATGGGGCGGTCAGCTCGAGCTAAGAG
CTTTGTCTCACATCTTACAAACCAATCGAGATACTACAGGCAGATGCTCCTCTATTATAGTCGGTGA
AGAGTATCCGAGGAATCCATTAGTACTAGTATACATGAGGCACGCGTATGGCTTAGGAGAACATTATAAT
TCTGTTACACGGTTGGTGAACCTAGCTACTGAAAATTGCAGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204044 protein sequence
Red=Cloning site Green=Tags(s)

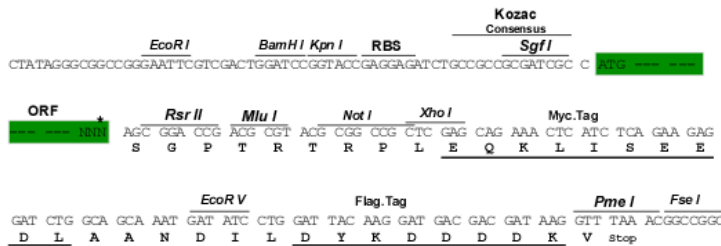
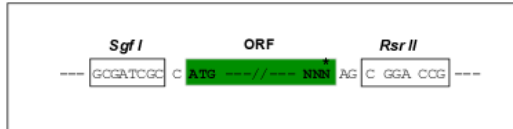
MEEVVAEELDDEEQLVRRHRKEKKELQAKIQGMKNAVPKNDKRRKQLTEDVAKLEREMEQKHRELEQL
 KQLTFKDSKIDSVAVNINLVLNQPPRISKAQKRREKKAALKEKEREERIAEAEIENLSGARHLESEKLA
 QILAARELEIKQIPSDGHCMYGALEDQLREQDCALTVASLRRQTAEYMQTHSDDFLPFLTNPSTGDMYTP
 EEFKGYCDDIVNTAAWGGQLELRALSHILQPTIEILQADAPPIIVGEEYPRNPLVLVYMRHAYGLGEHYN
 SVTRLVNSATENC

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC031474

ORF Size: 882 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: [BC031474.1](#)

RefSeq Size: 2598 bp

RefSeq ORF: 884 bp

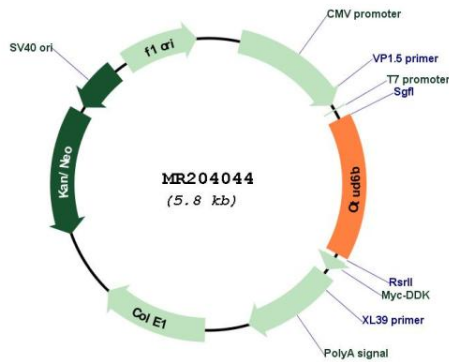
Locus ID: 72201

Cytogenetics: 4 A1

MW: 33.8 kDa

Gene Summary: Deubiquitinating enzyme that may play a role in the ubiquitin-dependent regulation of protein synthesis, downstream of mTORC1 (By similarity). May associate with the protein synthesis initiation complex and modify its ubiquitination to repress translation (By similarity). May also repress DNA synthesis and modify different cellular targets thereby regulating cell growth and proliferation (By similarity). May also play a role in proteasome assembly and function (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204044