

## Product datasheet for **MG204044**

### Otud6b (BC031474) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Otud6b (BC031474) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Otud6b
Synonyms:	2600013N14Rik; AU015433
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204044 representing BC031474 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAGGTCGTGGCTGAAGAGCTCGATGATGAGGAGCAGCTGGTGAGAAGGCATCGGAAGGAGAAGA  
AGGAGCTGCAAGCCAAAATTCAGGGAATGAAGAACGCTGTTCCCAAAAACGACAAAAGAGGAGGAAGCA  
GCTCACGGAAGATGTTGCTAAATGGAAAGAGAAATGGAGCAAAAACACAGGGAAGAACTGGAGCAATTG  
AAGCAATTGACTTCAAGGACAGTAAGATAGATTCTGTTGCTGTTAACATTTCAAACCTTGGTACTTGAGA  
ATCAACCACCTCGGATTTCAAAGCACAAAAGAGACGGGAAAAGAAGGCTGCATTGAAAAGGAGCGGGA  
AGAAAGGATAGCAGAGGCTGAAATTGAGAACTTATCTGGAGCCAGACATCTTGAGAGTGA AAAAATTGCT  
CAAATATTGGCAGCCAGAGAATTGGAAATTAACAGATTCATCTGATGGTCACTGTATGTATGGAGCAC  
TTGAGGATCAGCTGAGAGAAACAAGACTGTGCGCTGACTGTGGCTTCCCTGAGGAGGCAGACTGCTGAGTA  
CATGCAAACCCATTGAGACGACTTCCCTGCCGTTTCTAACAAACCCAGCACAGGAGATATGTACACGCCA  
GAAGAGTTTGGGAAGTACTGTGACGATATTGTGAACACAGCGCATGGGGCGGTGAGCTCGAGCTAAGAG  
CTTTGTCTCACATCTTACAAACCAATCGAGATACTACAGGCAGATGCTCCTCTATTATAGTCGGTGA  
AGAGTATCCGAGGAATCCATTAGTACTAGTATACATGAGGCACCGTATGGCTTAGGAGAACATTATAAT  
TCTGTTACACGGTTGGTGAACCTCAGCTACTGAAAATTGCAGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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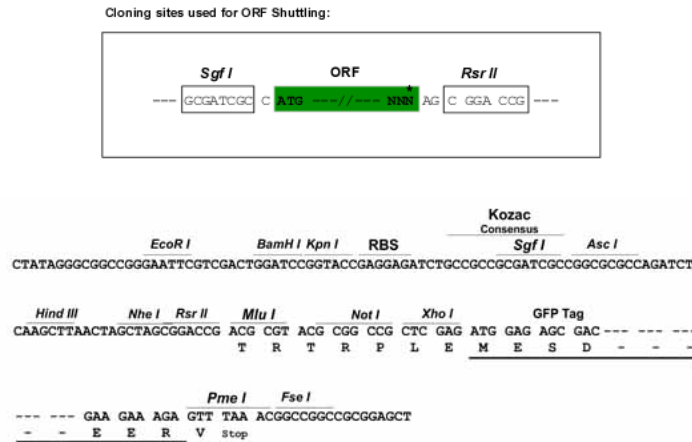
**Protein Sequence:** >MG204044 representing BC031474  
 Red=Cloning site Green=Tags(s)

MEEVVAEELDDEEQLVRRHRKEKKELQAKIQGMKNAVPKNDKRRKQLTEDVAKLEREMEQKHREELEQL  
 KQLTFKDSKIDSVAVNINLVLNQPPRISKAQKRREKKAALKEKEREERIAEAEIENLSGARHLESEKLA  
 QILAARELEIKQIPSDGHCMYGALEDQLREQDCALTVASLRRQTAEYMQTHSDDFLPFLTNPSTGDMYTP  
 EEF GK YCDDIVNTAAWGGQLELRALSHILQTPIEILQADAPPIIVGEEYPRNPLVLVYMRHAYGLGEHYN  
 SVTRLVNSATENC S

SGPTRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC031474

**ORF Size:** 882 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC031474.1</a>
<b>RefSeq Size:</b>	2598 bp
<b>RefSeq ORF:</b>	884 bp
<b>Locus ID:</b>	72201
<b>Cytogenetics:</b>	4 A1
<b>Gene Summary:</b>	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]