

## Product datasheet for **MG204060**

### Otud6b (NM\_152812) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Otud6b (NM\_152812) 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:** >MG204060 representing NM\_152812  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGGAGGTCGTGGCTGAAGAGCTCGATGATGAGGAGCAGCTGGTGAGAAGGCATCGGAAGGAGAAGA  
 AGGAGCTGCAAGCCAAAATTCAGGGAATGAAGAACGCTGTCCCAAAAACGACAAAAGAGGAGGAAGCA  
 GCTCACGGAAGATGTTGCTAAATGGAAAGAGAAATGGAGCAAAAACACAGGGAAGAACTGGAGCAATTG  
 AAGCAATTGACTTCAAGGACAGTAAGATAGATTCTGTTGCTGTTAACATTTCAAACCTTGGTACTTGAGA  
 ATCAACCACCTCGGATTTCAAAGCACAAAAGAGACGGGAAAAGAAGGCTGCATTGAAAAGGAGCGGGA  
 AGAAAGGATAGCAGAGGCTGAAATTGAGAACTTATCTGGAGCCAGACATCTTGAGAGTGA AAAAATTGCT  
 CAAATATTGGCAGCCAGAGAATTGGAAATTAACAGATTCATCTGATGGTCACTGTATGTATGGAGCAC  
 TTGAGGATCAGCTGAGAGAAACAAGACTGTGCGCTGACTGTGGCTTCCCTGAGGAGGCAGACTGCTGAGTA  
 CATGCAAACCCATTACAGCAGACTTCCCTGCCGTTTCTAACAACCCAGCACAGGAGATATGTACACGCCA  
 GAAGAGTTTGGGAAGTACTGTGACGATATTGTGAACACAGCGCATGGGGCGTTCAGCTCGAGCTAAGAG  
 CTTTGTCTCACATCTTACAAACCAATCGAGATACTACAGGCAGATGCTCCTCATTATAGTCGGTGA  
 AGAGTATCCGAGGAATCCATTAGTACTAGTATACATGAGGCACCGTATGGCTTAGGAGAACATTATAAT  
 TCTGTTACACGGTTGGTGAACCTCAGCTACTGAAAATTGCAGC

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



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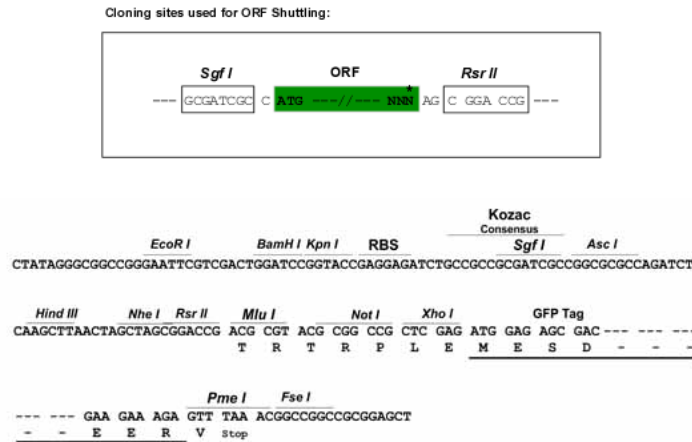
Protein Sequence: >MG204060 representing NM\_152812  
 Red=Cloning site Green=Tags(s)

MEEVVAEELDDEEQLVRRHRKEKKELQAKIQGMKNAVPKNDKRRKQLTEDVAKLEREMEQKHREELEQL  
 KQLTFKDSKIDSVAVNINLVLNQPPRISKAQKRREKKAALKEKEREERIAEAEIENLSGARHLESEKLA  
 QILAARELEIKQIPSDGHCMYGALEDQLREQDCALTVASLRRQTAEYMQTHSDDFLPFLTNPSTGDMYTP  
 EEF GK YCDDIVNTAAWGGQLELRALSHILQTPIEILQADAPPIIVGEEYPRNPLVLVYMRHAYGLGEHYN  
 SVTRLVNSATENC S

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM\_152812

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="#">NM_152812.4</a>
<b>RefSeq Size:</b>	3108 bp
<b>RefSeq ORF:</b>	978 bp
<b>Locus ID:</b>	72201
<b>UniProt ID:</b>	<a href="#">Q8K2H2</a>
<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]