

## Product datasheet for **MC218444**

### Otud6b (BC031474) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Otud6b (BC031474) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Otud6b
Synonyms:	2600013N14Rik; AU015433
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC031474 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGAGGTCGTGGCTGAAGAGCTCGATGATGAGGAGCAGCTGGTGAGAAGGCATCGGAAGGAGAAGA  
AGGAGCTGCAAGCCAAAATTCAGGGAATGAAGAACGCTGTTCCCAAAAACGACAAAAGAGGAGGAAGCA  
GCTCACGGAAGATGTTGCTAAATTGGAAAGAGAAATGGAGCAAAAACACAGGGAAGAACTGGAGCAATTG  
AAGCAATTGACTTCAAGGACAGTAAGATAGATTCTGTTGCTGTTAACATTTCAAACCTTGGTACTTGAGA  
ATCAACCACCTCGGATTTCAAAGCACAAAAGAGACGGGAAAAGAAGGCTGCATTGGAAGGAGCGGGGA  
AGAAAGGATAGCAGAGGCTGAAATTGAGAACTTATCTGGAGCCAGACATCTTGAGAGTGAAAACTTGCT  
CAAATATTGGCAGCCAGAGAATTGGAAATTAACAGATTCCATCTGATGGTCACTGTATGTATGGAGCAC  
TTGAGGATCAGCTGAGAGAACAAAGACTGTGCGCTGACTGTGGCTTCCCTGAGGAGGCAGACTGCTGAGTA  
CATGCAAACCCATTACAGCAGCTTCTGCGGTTTCTAACAAACCCAGCACAGGAGATATGTACACGCCA  
GAAGAGTTTGGGAAGTACTGTGACGATATTGTGAACACAGCGGCATGGGGCGGTCAGCTCGAGCTAAGAG  
CTTTGTCTCACATCTTACAAACCAATCGAGATACTACAGGCAGATGCTCCTCCTATTATAGTCGGTGA  
AGAGTATCCGAGGAATCCATTAGTACTAGTATACATGAGGCACGCGTATGGCTTAGGAGAACATTATAAT  
TCTGTTACACGGTTGGTGAACCTAGCTACTGAAAATTGCAGCTAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATA  
TCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-RsrII
ACCN:	BC031474
Insert Size:	885 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<u><a href="#">BC031474</a></u> , <u><a href="#">AAH31474</a></u>
<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]