

## Product datasheet for RN217478

### Otud4 (NM\_001191700) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Otud4 (NM_001191700) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Otud4
Synonyms:	RGD1305606
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217478 representing NM_001191700 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGGCAGCTGTCGGCGGCCCGACGGCGTGGACCAGGGCGGGCGGGACCGCTGGAGGATGCGACGC  
CCATGGACGCCTATCTGCGCAAGCTGGGATTGTATCGGAAATTTGGTCGCCAAGGACGGGTCGTGCTTGT  
CCGGGCTGTGGCCGAGCAGGTATTACACTCTCAGTCTCGACATGTGGAAGTTAGAATGGCTTGTATTCCG  
TACCTTCGAGATAACAGAGAGAAATTTGAAGCGTTTATAGAAGGGTCATTTGAAGAATATTTAAAACGTT  
TGGAAAACCCACAGGAATGGGTAGGACAAGTGGAGATAAAGCGCCCTCTCTTATGTACAGGAAAGATTT  
TGTAATATATCAGGAGCCAAATGTTTCTCCTTCGCATGTAACGTAAAATAATTTTCTGAGAAGGTGTTA  
CTGTGCTTTTCGAATGGAAATCATTATGACATTGTCTATCCTATAACATACAGAGATAGTTCTGTGCTGT  
GTCAGTCTCTCCTTTATGAATTGCTGTATGAGAAGGATTTAAAACACTGACGTCAGTAAAATCATGATGG  
ACTAGAAACTTCTGAAGTGGCTGATGAAAGCAACAGTGAATATCAGATTCTGAGGATGACAGTTGCAAG  
AGTAAAAGCACTGCTGCTACTGATGTAATGGATTTAAGTCCTCAGGCAGTGAGAACCCTAAGAACCATG  
GGAATCAGCTGACCTTCCTTTGTCCAGAAAGTTCTTAAGTCCCTCAGCCAGCAGTCTATAGAATGT  
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CAATATGAAGGAGGAGAGAGATGCCATGTTAGATTGGATCATAATGGGAAGTTATCTAATGCAGACATTC  
ATGGGGTTCACCTGAGAATGGACCGGTTTTGTCTGAAGAACTGGGGAAAAAGCAAAACCCGAAGAACCT  
CAAGCCACCTCCCCAGAAAGCTGGAACACGGTGTCCGAAAAGAAGATGAAAAACCTAATTCTGGGCAA  
AATTTCCATTACAGATACGGATTACAGAGGGCCAAAGAATCTAAACAAGCCAATCAAAGCCCCGTCTGCAC  
TACCTCCTCGCTGCAGCATCTCCAGCGGGTGAAGGCAGCACGCGCTCTCCAGTCATTCTACGGGGCC  
CCAGTCTCAGAAATCCTCCAGTGAGCATAAGAATCTAAGTCGGGTGCCATCACAGATCACAAGAAAACCT  
GATCGTGAAGAGCTGAGGACTTTGATCATGTGAGTCTGTAATCTTACTATTTTGGCCTCTCGCCAGAAG  
AACGCAGAGAGAAGCAAGCTATTGAAGAGTCTCGGCTACTCTATGAGATTCAGAACCGGGATGAACAGGC  
TTTTCCGGCTCTTTCTAGTTCATCAGTCAGTCAGTCACCTCAGAAATAGCAACCGGTGCGTCCCAAGGAAG  
TCTTCACATGCGAGGGACAGGAAAGGAAGCATGCGGAGAGTAGATGCAGAGGAACGGAAGGACAAAGACT



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CTCTACGTGGCCATACTCACATGGATAAAAAACCCGAGCCAAGCACACTGGAGATCAGCGATGATAAATG  
TACAAGAGTTTCATCACCATCTAAGTCAAAGAAAGAGTGCCCATCTCCTGTAGAACAAAAGCCAGCAGAA  
CATATACTTTGTCAAATCCAGCCCCCTCCTAGTCTCTCCAGAAGTTTCACTCCTCGCGTGCCTT  
CTTTACCAGCCACTGTGCCAGCCTGGCCAAGTGAACCCACAACCTTTGGACCAACAGGTGTCCCTGCTCA  
GATTCACATTTTGTCAAGTACACAGACCACTGGACCTGATGCTGCCGTGCACAAGCGCATTTAACACCC  
TCTCCGGTTCCGTGTCAATTCAGGCAGTTAACCCAGCCCTTGATGCCTTTGCCTCAGACAATGAGCCTT  
ATCAAGACCCACTCTATCCTGGTTTCCTTGTAGTGAGAAGGGAGATCGAGCCATTGCACCACCCATTTC  
ACTGTGTCAGACCGGCGAGGACCTGCCTAAAGATAAGAATATTCTTCGATTCTTCTTCAATCTTGGTGTA  
AAGGCATATAGTTGCCCTATGTGGGCCCCACACTCTTACCTGTATCCTCTGCACCAGGCGTACATGGCAG  
CCTGCAGGGTGTACCCAAAGGTCCTGTCTGTGTATCCTCAGAGTACTTGGTTCCAAGAAGCCCTCC  
TGCTCAGAGTGAAAGTGACTGCCCTGTGCTGACGCCACTACTCTATGCACCCTGAGGCCAGTGTAAAT  
GGCCAGATGCCACAGGCAGAGATCGGACCCTGCGTTTTCTCCCTCTGGTTATCCCTCCATCTCAGG  
TGTCTGAAGGTACGGACAGTTGCTTACCAACCTGAACTGGAGTCTGAGAGCCAGGGCAGCTTCTTCA  
CGCTGAGTATGAAGATCACTTAGCGGCAAGAATGTACCCACAGCAGTCTTTGGGCCTAATCCATTC  
TTAGGTCCTGTTCCATTGCACCTCCTTTCTCCCTCATGTTTGGTATGGGTATCCTTTTCAGGGATTTG  
TGGAAAATCCTGTAAAGAGGCAAAATATTGTCCTGCCCTGATGATAAAGGAGAGTTGGATTTGCCTTT  
GGAAAATCTAGATCTGTCTAAAGAGTGCATTCTGTCTCAGCAGTAGACGAGTCCCAGAAAGCCAGAGTT  
GAAGGCGCACATTCTCTCTGAAGCAAGTGTGAGCAGCAAGCATGAAGGCCGGGTGGAGCAGTCGTCCC  
AGACGCGGAAGGCAGACATAGACTTGTCTTCAGGTTCTTCTGGAGTGGAGGAAAGGCTCACCCCTAC  
TCAGATTCTAAACCGAGAGAGAGAGGCTGTGTCTGCTGAACCTGAGCCTAAGAGGACCATTCAAAGTCTG  
AAAGAAAACCCAGAGAAAGTCAAAGACCCCAAGACTGCTGCCGATGTGCTCAGCTCTGGGGCCAACTCTG  
TGGATAGATTGCAAGACCAAAAAGAAGAGATTCAGAAGATGAGAACGAAGTGTCTAATATTTTGAAG  
TGGCAGATCCAAGCAGTTTTATAATCAACTTATGGAAGCAGGAAGTACAAAAGTATTGGGGCTTCT  
GGTAGAGTGGCTATCAACATGTGAGAGGCGAGGAGTCTTGGAAAGGGCAGCCTAACAGAAGCCGGGATG  
AAGGTTATCAGTACCATCGACATGTTAGAGGACGCCCTTACAGGGGAGATAGGAGGAGGTCAGGGATGG  
AGATGGCCACAGGGGACAACACTTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_001191700
- Insert Size:** 3318 bp
- OTI Disclaimer:** 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:** NM\_001191700.1, NP\_001178629.1

**RefSeq Size:** 3832 bp

**RefSeq ORF:** 3318 bp

**Locus ID:** 307774

**Cytogenetics:** 19q11