

## Product datasheet for **RG214162**

### OTUD4 (NM\_001102653) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OTUD4 (NM_001102653) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OTUD4
Synonyms:	DUBA6; HIN1; HSHIN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214162 representing NM_001102653 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTGTATTCCTATCTTCGAGAGAACAGAGAGAAATTTGAAGCGTTTATAGAAGGATCATTGAAAG  
AATATTTAAAGCGTTTGGAAAATCCACAGGAATGGGTAGGACAAGTGAAATAAGTGCCTTTCTCTTAT  
GTACAGGAAAGATTTTATAATTTATCGGGAACCAATGTTTCTCCTTACAAGTAACAGAAAATAATTTT  
CCTGAAAAGGTGTTACTGTGTTTTCAAATGGAATCATTATGATATTGTGTATCCATAAAGTATAAAG  
AAAGCTCTGCTATGTGTCAGTCTCTCCTTATGAATTGCTGTATGAGAAGGTATTTAAAAGTATGTTAG  
TAAAATTGTGATGGAAGTACAGACGTTGGAAGTAGCTGATGAAGATAACAGTGAATATCAGATTCAGAG  
GATGACAGTTGCAAGAGTAAGACTGCTGCTGCTGCTGCTGATGTGAATGGATTTAAACCTTTGTCAGGCA  
ATGAGCAGCTGAAGAACAATGGGAAGTCTACTAGCCTGCCTTTGTCTAGAAAAGTTCTTAAGTCACTCAA  
TCCTGCAGTCTATAGAAATGTGGAATATGAAATTTGGCTGAAGTCTAAACAAGCTCAGCAAAAACGTGAT  
TATTCATTGCTGCTGGCTTACAATATGAAGTTGGAGACAAATGTCAAGTTAGGTTGGATCACAATGGAA  
AATTTTGAATGCAGATGTTCAAGGAATCATTCTGAGAATGGACCAGTTTTGGTTGAAGAACTGGGAAA  
GAAGCACACATCAAAGAACCCTCAAGGCACCTCCCCAGAAAAGCTGGAACACAGTGTGAGGAAAGAGATG  
AAAAACCTTCCACTTCTGGACAAAATTTCCATTCTGATGTGGATTACAGAGGGCCAAAGAATCCAAGCA  
AGCCAATAAAAAGCCCATCAGCACTACCTCCTCGACTGCAGCATCCTTCAGGAGTAAGACAACATGCGTT  
CTCTAGTCATTCTCAGGGTACAGTCTCAGAAAATTTCTCAGTGAGCACAAAAATCTTAGCCGGACCT  
TCACAGATCATAAGAAAACCTGATCGTGAAGAGTTGAGGATTTTATCACAAGTTCGAGAATCTAACT  
ATTTCCGGCCTTTCCCAGAAAGAGCGCAGAGAGAAGCAAGCTATAGAAGAATCCCCTTTACTCTATGAGAT  
TCAGAACAGAGATGAACAGGCTTTCCAGCCCTTTCCAGCTCATCAGTCAATCAGTCAGTCTCAGAGT  
AGCAATCCATGTGTCCAGAGAAAATCATCATGTAGGTGATAGAAAAGGAAGCAGGCGGAGAATGGATA  
CAGAAGAACGAAAAGACAAGACTCTATTCATGGACATAGTCAGTTGGATAAAAGACCCGAACCAAGCAC  
ATTGGAGAATATTACTGATGATAAATATGCAACAGTTTCATCACCATCAAAGTCAAAGAAGTTAGAGTGC



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CCTTCTCCTGCGGAACAAAAGCCAGCAGAACATGTGTCTTTGTCAAATCCAGCTCCCCTTAGTTTCTC  
 CAGAGGTACATCTAACTCCTGCGGTGCCTTCTTTACCAGCCACTGTGCCAGCCTGGCCAAGTGAACCTAC  
 AACTTTTGGACCAACAGGTGTCCCTGCTCCAATCCCCTTTTGTGAGTACACAGACTTTGACCACTGGA  
 CCTGATTCAGCTGTATCCCAAGCTATTAACACCCTCTCCAGTTCCTGTGTCAATACAGGCAGTTAACC  
 AGCCCTTGATGCCTTTGCCTCAGACATTGAGCCTTTATCAAGACCCACTCTATCCTGGGTTTCTTGTA  
 TGAAGAGGGAGATCGAGCCATTGTACCACCTTATCACTGTGTGAGACTGGGAGGACCTACCTAAAGAT  
 AAGAATATTCCTCGATTCTTCTCAATCTTGGTGTGAAGGCATACAGTTGCTATGTGGGCCCCACATT  
 CTTACCTGTACCTCTGCACCAGGCTACCTGGCAGCCTGCAGGATGTACCCAAAGGTCCCTGTCCCTGT  
 TTATCCTCATAATCCCTGGTTCCAAGAGGCTCCTGCTGCTCAGAATGAAAGTGATTGTACCTGTACTGAT  
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 CTTTTTCTTACCTCTGGTTATCCCTCCATCTCAGGTGTCTGAAAGTCATGGACAATTGTCTTACCAGGC  
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 ATGTTCCCCCAGCCATCTTTGGACCAATCCATTCTTAGGCCAGTTCCTATTGCACCTCTTTCTTTC  
 CTCATGTTTGGTATGGGTACCCTTTTCAGGGATTCATAGAAAATCCAGTAATGAGGCAGAATATTGCTCT  
 GCCCTCTGATGAAAAGGAGAATTGGATCTGTCTCTGGAAAATCTGGATCTGTCTAAAGATTGTGGTTCA  
 GTTTCACAGTAGATGAGTTTCCAGAAGCCAGGGTGAACATGTACATTCTCCTCCTGAAGCAAGTGTGA  
 GCAGTAAGCCGGACGAAGGCCGGACAGAGCAATCTTCCAGACACGAAAGGCAGATACGGCATTGGCTTC  
 CATCCCTCCTGTAGCAGAGGGAAAGGCTCATCCTCCCCTCAGATTCTAAACAGAGAGAGAGAACTGTG  
 CCTGTTGAACTTGAACTAAAAGGACCATCAAAGCCTGAAAGAAAAACAGAAAAAGTAAAAGATCCTA  
 AGACTGCTGCTGATGTGGTCAGCCCTGGGGCAACTCTGTTGATAGCAGAGTGCAAGACCAAAAGAAGA  
 GAGTTCAGAAGATGAAAATGAAGTGTCTAATATTTGAGAAGTGGTAGATCCAAGCAGTTCTATAATCAA  
 ACTTATGGAAGCAGGAAGTACAAAAGTATTGGGGCTATTCTGGTAGGGGTGGATATCAACATGTGAGAA  
 GTGAGGAGTCTTGAAAGGACAGCCAAGCAGAAGTCCGGATGAAGTTATCAGTACCATCGAAATGTCA  
 AGGGCGACCATTTAGGGGAGATAGGAGGAGATCAGGGATGGGAGATGGCCATAGGGGACAGCACACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG214162 representing NM\_001102653  
 Red=Cloning site Green=Tags(s)

MACIHYLRENREKFEAFIEGSFEEYLKRLNPEQEWVQVEISALSMLMYRKDFIYREPNVSPSQVTENNF  
 PEKVLLCFNSNGHYDIVYPIKYKESSAMCQSLLYELLYEKVFKTDVSKIYVMELDLLEVADEDNSEISDSE  
 DDSCSKTAAAAADVNGFKPLSGNEQLKNNNGNSTSLPLSRKVLKSLNPAVYRNVEYEWLWKSQAQKRD  
 YSIAAGLQYEVGDKQVRLDHNGKFLNADVQGIHSENGPVLVEELGKKHTSKNLKAPPESWNTVSGKKM  
 KKPSTSGQNFHSDVDYRGPKNPSKPIKAPSALPPRLQHPSGVRQHAFSSHSSGSQSQKFSSEHKLSRTP  
 SQIIRKPDREVEDFDHTSRESNYFGLSPEERREKQAIIEERLLYEIQNRDEQAFPALSSSSVNSASQS  
 SNPCVQRKSSHVGDRKGSRRRMDTEERKDKDSIHGHSQLDKRPEPSTLENIITDDKYATVSSPSKSKLEC  
 PSPAEQKPAEHVSLSNPAPLLVSPEVHLTPAVPSLPATVPAWPSEPTTFGPTGVPAPIPVLVSVTQTLTTG  
 PDSAVSQAHLTPSPVPVSIQAVNQPLMPLPQTLQSLYQDPLYPGFPNEKGDRAIVPPYSLCQTGEDLPKD  
 KNILRFFFNLVKAYSCPMWAPHSYLPLHQAYLAACRMYPKVPVVPYHPNPFQEAQAQNESDCTCTD  
 AHFPMQTEASVNGQMPQPEIGPPTFSSPLVIPPSSQVSESHGQLSYQADLESETPGQLLHADYEESLSGKN  
 MFPQPSFGPNPFLGPVPIAPFFPHVWYGYPFQGF IENPVMRQNIIVLPSDEKGEDLDLLENLDLSDKCGS  
 VSTVDEFPEARHEHVHSLPEASVSSKPDEGRTEQSSQTRKADTALASIPPVAEGKAHPPTQILNRERETV  
 PVELEPKRTIQSLKEKTEKVKDPKTAADVSPGANSVDSRVQRPKEESSEDENEVSNILRSRSGKQFYNQ  
 TYGSRKYKSDWYSGRGGYQHVRSSESWKQPSRSRDEGYQYHRNVGRPFRRGDRRRSGMGDGHGQHT

TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001102653

**ORF Size:** 3147 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.

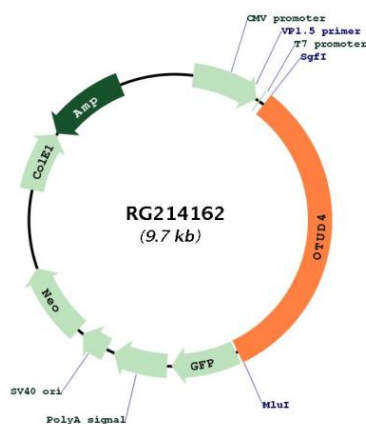
**RefSeq:** [NM\\_001102653.1](#), [NP\\_001096123.1](#)

**RefSeq Size:** 7068 bp

**RefSeq ORF:** 3150 bp

Locus ID:	54726
UniProt ID:	<a href="#">Q01804</a>
Cytogenetics:	4q31.21
Gene Summary:	Alternatively spliced transcript variants have been found for this gene. The smaller protein isoform encoded by the shorter transcript variant is found only in HIV-1 infected cells. [provided by RefSeq, Jul 2010]

## Product images:



Circular map for RG214162