

Product datasheet for **RG214054**

OTUD4 (NM_199324) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTUD4 (NM_199324) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OTUD4
Synonyms:	DKFZp434I0721; DUBA6; HIN1; HSHIN1; KIAA1046
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214054 representing NM_199324 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTGTATTCCTCGAGAGAACAGAGAGAAATTTGAAGCGTTTATAGAAGGATCATTGAAAG
AATATTTAAAGCGTTTGGAAAATCCACAGGAATGGGTAGGACAAGTGAAATAAGTGCCTTTCTCTTAT
GTACAGGAAAGATTTTATAATTTATCGGGAACCAATGTTTCTCCTTACAAGTAACAGAAAATAATTTT
CCTGAAAAGGTGTTACTGTGTTTTCAAATGAAATCATTATGATATTGTGTATCCATAAAGTATAAAG
AAAGCTCTGCTATGTGTCAGTCTCTCCTTATGAATTGCTGTATGAGAAGGTATTTAAAAGTATGTTAG
TAAAATTGTGATGGAAGTACAGCAGTTGGAAGTAGCTGATGAAGATAACAGTGAATATCAGATTCAGAG
GATGACAGTTGCAAGAGTAAGACTGCTGCTGCTGCTGCTGATGTGAATGGATTTAAACCTTTGTCAGGCA
ATGAGCTGAAGAACAATGGGAAGTCTACTAGCCTGCCTTTGTCTAGAAAAGGTTCTTAAGTCACTCAATCC
TGCAGTCTATAGAAAATGTGGAATATGAAATTTGGCTGAAGTCTAAACAAGCTCAGCAAAAACGTGATTAT
TCCATTGCTGCTGGCTTACAATATGAAGTTGGAGACAAATGTCAAGTTAGGTTGGATCACAATGGAAAAT
TTTTGAATGCAGATGTTCAAGGAATTCATTCTGAGAATGGACCAGTTTGGTTGAAGAAGTGGGAAAAGAA
GCACACATCAAAGAACCTCAAGGCACCTCCCCAGAAAAGCTGGAACACAGTGTGAGGGAAGAAGATGAAA
AAACCTTCCACTTCTGGACAAAATTTCCATTCTGATGTGGATTACAGAGGCAAAAGAATCCAAGCAAGC
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TAGTCATTCTTCCAGGTCACAGTCTCAGAAATTCAGTGCAGCAGCAAAAATCTTCCAGCGGACACCTTCA
CAGATCATAAGAAAACCTGATCGTGAAAGAGTTGAGGATTTTGATCACACAAGTCGAGAATCTAACTATT
TCGGCCTTTCCCCAGAAGAGCGCAGAGAGAAGCAAGCTATAGAAGAATCCCGTTTACTCTATGAGATTCA
GAACAGAGATGAACAGGCTTTCCAGCCCTTTCCAGCTCATCAGTCAATCAGTCACTCTCAGAGTAGC
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TCTCCTGCGGAACAAAAGCCAGCAGAACATGTGTCTTTGTCAAATCCAGCTCCCCTTCTAGTTTCTCCAG
 AGGTACATCTAACTCCTGCGGTGCCTTCTTTACCAGCCACTGTGCCAGCCTGGCCAAAGTGAACCTACAAC
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 AGGAGTCTGAAAGGACAGCCAAGCAGAAGTCGGGATGAAGGTTATCAGTACCATCGAAATGTCAGAGG
 CGGACCATTTAGGGGAGATAGGAGGAGATCAGGGATGGGAGATGGCCATAGGGGACAGCACACT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG214054 representing NM_199324
 Red=Cloning site Green=Tags(s)

MACIHYLRENREKFEAFIEGSFEEYLKRLNPEQEWVQVEISALSMLMYRKDFIIYREPNVSPSQVTENNF
 PEKVLLCFNSNGHYDIYVPIKYKESSAMCQSLLYELLYEKVFKTDVSKIVMELDTLEVADEDNSEISDSE
 DDSCSKTAAAAADVNGFKPLSGNELKNNGNSTSLPLSRKVLKSLNPAVYRNVEYEIWLKSKQAQQKRDY
 SIAAGLQYEVGDKCQVRLDHNGKFLNADVQGIHSENGPVLVEELGKKHTSKNLKAPPPESWNTVSGKMK
 KPSTSGQNFHSDVDYRGPKNPSKPIKAPSALPPRLQHPGVRQHAFSSHSSGSQSQKFSSEHKNLSRTPS
 QIIRKPDREVERDFDHTSRESNYFGLSPEERREKQAIIEESRLLYEIQRNDEQAFPALSSSSVNSASQSS
 NPCVQRKSSHVGRKGSRRRMDTEERKDKDSIHGHSQDKRPEPSTLENIITDDKYATVSSPSKSKKLECP
 SPAEQKPAEHVLSNPAPLLVSPEVHLTPAVPSLPATVPAWPSEPTTFGPTGVPAPIPVLSVTQTLTTGP
 DSAVSQAHLTPSPVPVSIQAVNQPLMPLPQTLISLYQDPLYPGFPCNEKGDRAIVPPYSLCQTGEDLPKDK
 NILRFFNLGVKAYSCPMWAPHSYLYPLHQAYLAACRMYPKVPVVPYHPNPFQEAAPAAQNESDCTCTDA
 HFFMQTEASVNGQMPQPEIGPPTFSSPLVIPPSQVSESHGQLSYQADLESETPGQLLHADYEESLSGKNM
 FPQPSFGPNPFLGPVPIAPPFFPHVWYGYPFQGF IENPVMRQNI VLP SDEK GELDL SLENL DL SKDCGSV
 STVDEFPEARGEHVHSLPEASVSSKPDEGRTEQSSQTRKADTALASIPPAEKGAKHPPTQILNRERETVP
 VELEPKRTIQSLKEKTEKVKDPKTAADVSPGANSVDSRVQRPKEESSEDENEVSNILRSGRSKQFYNQ
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TRTRPLE – GFP Tag – V

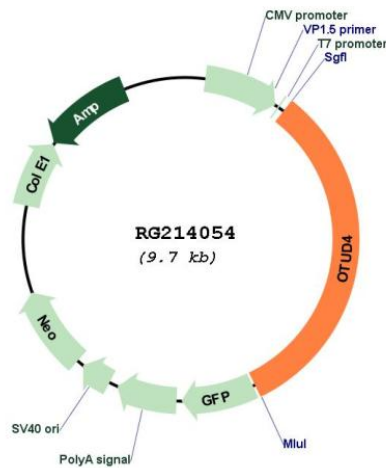
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_199324

ORF Size: 3144 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:	<ol style="list-style-type: none">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:	<u>NM_199324.2</u> , <u>NP_955356.1</u>
RefSeq Size:	6980 bp
RefSeq ORF:	3146 bp
Locus ID:	54726
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]