OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC214054

OTUD4 (NM_199324) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTUD4 (NM_199324) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OTUD4
Synonyms:	DKFZp434I0721; DUBA6; HIN1; HSHIN1; KIAA1046
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC214054 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTGTATTCACTATCTTCGAGAGAACAGAGAGAAATTTGAAGCGTTTATAGAAGGATCATTTGAAG
AATATTTAAAGCGTTTGGAAAATCCACAGGAATGGGTAGGACAAGTGGAAATAAGTGCCCTTTCTCTTAT
GTACAGGAAAGATTTTATAATTTATCGGGAACCAAATGTTTCTCCTTCACAAGTAACAGAAAATAATTTT
CCTGAAAAGGTGTTACTGTGTTTTTCAAATGGAAATCATTATGATATTGTGTATCCCATAAAGTATAAAG
AAAGCTCTGCTATGTGTCAGTCTCTCCTTTATGAATTGCTGTATGAGAAGGTATTTAAAACTGATGTTAG
TAAAATTGTGATGGAACTAGACACGTTGGAAGTAGCTGATGAAGATAACAGTGAAATATCAGATTCAGAG
GATGACAGTTGCAAGAGTAAGACTGCTGCTGCTGCTGCTGATGTGAATGGATTTAAACCTTTGTCAGGCA
ATGAGCAGCTGAAGAACAATGGGAACTCTACTAGCCTGCCTTTGTCTAGAAAGGTTCTTAAGTCACTCAA
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CCTTCTCCTGCGGAACAAAAGCCAGCAGAACATGTGTCTTTGTCAAATCCAGCTCCCCTTCTAGTTTCTC
CAGAGGTACATCTAACTCCTGCGGTGCCTTCTTTACCAGCCACTGTGCCAGCCTGGCCAAGTGAACCTAC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214054 protein sequence
Red=Cloning site Green=Tags(s)

MACIHYLRENREKFEAFIEGSFEEYLKRLENPQEWVGQVEISALSLMYRKDFIIYREPNVSPSQVTENNF
PEKVLLCFSNGNHYDIVYPIKYKESSAMCQSLLYELLYEKVFKTDVSKIVMELDTLEVADEDNSEISDSE
DDSCKSKTAAAAADVNGFKPLSGNEQLKNNGNSTSLPLSRKVLKSLNPAVYRNVEYEIWLKSKQAQQKRD
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KKPSTSGQNFHSDVDYRGPKNPSKPIKAPSALPPRLQHPSGVRQHAFSSHSSGSQSQKFSSEHKNLSRTP
SQIIRKPDRERVEDFDHTSRESNYFGLSPEERREKQAIEESRLLYEIQNRDEQAFPALSSSSVNQSASQS
SNPCVQRKSSHVGDRKGSRRRMDTEERKDKDSIHGHSQLDKRPEPSTLENITDDKYATVSSPSKSKKLEC
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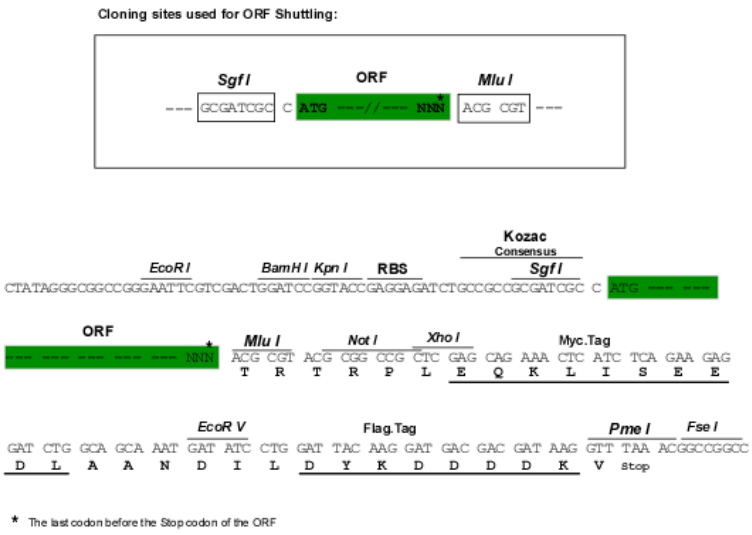
TYGSRKYKSDWGYSGRGGYQHVRSEESWKGQPSRSRDEGYQYHRNVRGRPFRGDRRRSGMGDGHRGQHT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6717_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

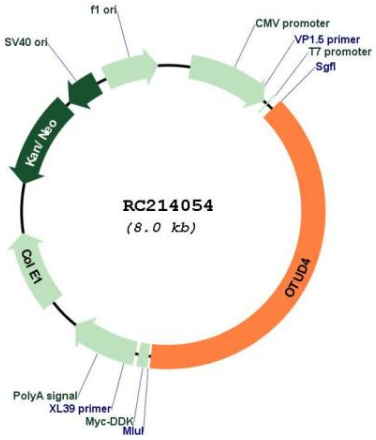


ACCN:	NM_199324
ORF Size:	3147 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_199324.2, NP_955356.1
RefSeq Size:	7065 bp
RefSeq ORF:	3146 bp
Locus ID:	54726
Cytogenetics:	4q31.21

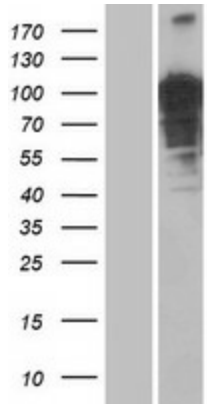
MW: 117.1 kDa

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 RC214054



Western blot validation of overexpression lysate (Cat# [LY404620]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214054 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).