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Product datasheet for RG218984

OTUD3 (NM_015207) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTUD3 (NM_015207) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OTUD3
Synonyms:	DUBA4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

```
>RG218984 representing NM_015207
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCCGAAAGCAGGCGGCGAAGAGCCGGCCGGGCAGCGGCAGCCGGAAAGCCGAGGCCGAGCGCAAGC
GGGACGAGCGGGCGGCGCGCCGGGCCCTGGCCAAGGAGCGGCGGAATCGGCCGGAGTCTGGCGGCGGCGG
CGGCTGCGAGGAGGAGTTCGTCAGCTTCGCCAACCAGCTGCAGGCCCTGGGGCTGAAGCTGCGGGAGGTG
CCGGGGGACGGCAATTGCTTGTTCAGAGCTCTTGGTGATCAATTGGAGGGACACTCACGAAATCATCTCA
AGCACAGACAGGAGACAGTGGACTACATGATAAAGCAGCGGGAAGATTTTGAACCCTTTGTAGAAGATGA
CATTCCTTTTGAGAAGCATGTGGCCAGTTTGGCAAAGCCTGGTACTTTTGCTGGCAATGATGCAATTGTA
GCCTTTGCAAGAAATCATCAGTTGAATGTAGTGATTCATCAACTTAATGCCCCTTTGTGGCAGATTCGTG
GTACAGAGAAAAGCAGCGTGAGGGAGTTACACATCGCATATCGGTATGGAGAGCACTACGACAGTGTTCG
GAGGATCAATGACAACTCAGAGGCACCTGCACATCTCCAGACGGATTTTCAGATGCTTCATCAAGATGAA
TCAAATAAAAGAGAAAAGATCAAGACAAAGGGAATGGACTCTGAAGACGACCTGAGAGATGAAGTAGAGG
ATGCTGTCCAGAAAGTTTGTAATGCAACTGGATGTTCAGATTTTAATTTAATAGTCCAGAACCTGGAAGC
TGAAAATTATAATATTGAATCTGCAATAATTGCCGTGCTTCGGATGAACCAAGGGAAGAGAAATAATGCA
GAAGAGAATCTTGAGCCCAGTGGTCGAGTGCTGAAGCAGTGTGGCCCTTTGTGGGAGGAGGGTGGCAGTG
GTGCCAGAATCTTTGGAAATCAGGGCTTAAATGAAGGCAGGACCGAAAACAATAAGGCACAGGCCAGCCC
TAGTGAAGAAAACAAAGCAAATAAAAACCAGCTCGCAAAGGTCACAAACAAACAGAGGCGAGAACAGCAG
TGGATGGAGAAGAAGAAGCGGCAGGAGGAGAGGCACCGCCACAAAGCCCTGGAGAGCAGAGGTAGCCACA
GGGACAATAACAGAAGCGAAGCAGAGGCGAACACGCAGGTCACCTTGGTGAAGACCTTCGCCGCTCTCAA
CATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

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Protein Sequence:

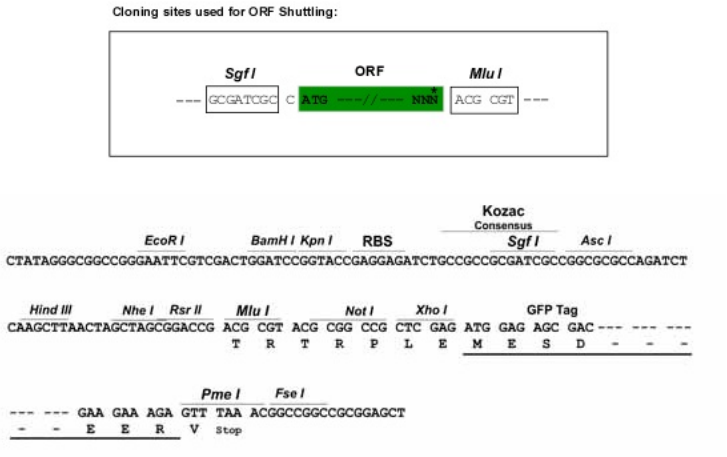
```
>RG218984 representing NM_015207
Red=Cloning site Green=Tags(s)

MSRKQAAKSRPGSGSRKAEAERKRDERAARRALAKERRNRPESGGGGGCEEEFVSFANQLQALGLKLREV
PGDGNCLFRALGDQLEGHSRNHLKHRQETVDYMIKQREDFEPFVEDDIPFEKHVASLAKPGTFAGNDAIV
AFARNHQLNVVIHQLNAPLWQIRGTEKSSVRELHIAYRYGEHYDSVRRINDNSEAPAHLQTDFQMLHQDE
SNKREKIKTKGMDSEDDLRDEVEDAVQKVCNATGCSDFNLIVQNLEAENYNIESAIIAVLRMNQGKRNNA
EENLEPSGRVLKQCGPLWEEGGSGARIFGNQGLNEGRTENNKAQASPSEENKANKNQLAKVTNKQRREQQ
WMEKKKRQEERHRHKALESRGSHRDNNRSEAEANTQVTLVKTFAALNI

TRTRPLE - GFP Tag -  V
```

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015207

ORF Size: 1194 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).

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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_015207.2

RefSeq Size: 6523 bp

RefSeq ORF: 1197 bp

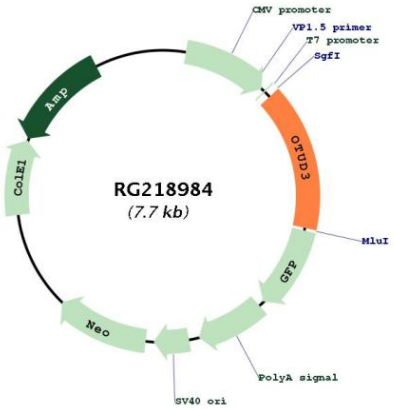
Locus ID: 23252

UniProt ID: Q5T2D3

Cytogenetics: 1p36.13

Gene Summary: Deubiquitinating enzyme that hydrolyzes 'Lys-6'- and 'Lys-11'-linked polyubiquitin. Also hydrolyzes heterotypic (mixed and branched) and homotypic chains.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218984

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