

## Product datasheet for **RG203722**

### OTUD6B (NM\_016023) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OTUD6B (NM_016023) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OTUD6B
Synonyms:	CGI-77; DUBA-5; DUBA5; IDDFSDA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203722 representing NM_016023 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCGGTATTGACCGAAGAGCTTGATGAGGAAGAGCAGCTGCTGAGAAGGCATCGCAAAGAGAAGA  
AGGAGTTGCAAGCCAAAATTCAGGGCATGAAGAATGCTGTTCCCAAGAATGACAAGAAGAGGAGGAAGCA  
GCTCACCGAAGATGTGGCCAAGTTGAAAAAGAAATGGAACAGAAACATAGAGAGGAACTGGAGCAATTG  
AAGCTGACTACTAAGGAGAATAAGATAGATTCTGTTGCTTAACTTTCAAACCTGGTGCTTGAGAATC  
AGCCACCTCGGATATCAAAGCACAAAAGAGACGGGAAAAGAAAGCTGCATTGGAAAAGGAGCGAGAAGA  
ACGGATAGCTGAAAGTGAATTGAAAACCTAACAGGAGCCAGACATATGGAAAGTGAGAACTTGCTCAA  
ATATTGGCAGCTAGACAGTTAGAAATTAACAGATTCCATCTGATGGCCACTGTATGTATAAAGCCATTG  
AAGATCAACTGAAAGAAAAGGATTGTGCTCTGACTGTGGTTGCCTTGAGAAGTCAGACCGCTGAGTATAT  
GCAAAGCCATGTGGAAGACTTTCTGCCATTTTTAACAAACCCTAATACAGGAGATATGTATACTCCAGAA  
GAATTTGAGAAGTACTGTGAAGATATTGTAACACAGCTGCATGGGGAGGTCAGCTTGAGCTAAGAGCTC  
TGTCTCACATTTTACAAACCAATAGAGATAATACAGGCAGATTCTCCTCCATTATAGTTGGTGAAGA  
ATATTTCAAAAAACCCTAATACTTGTATATATGAGACATGCATATGGCTTAGGAGAACATTATAATTCC  
GTTACACGGTTGGTAAACATAGTTACTGAAAATTGCAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203722 representing NM\_016023  
 Red=Cloning site Green=Tags(s)

MEAVLTEELDEEEQLRRHRKEKELQAKIQGMKNAVPKNDKRRKQLTEDVAKLEKEMEQQHREELEQL  
 KLTTKENKIDSVAVNISNLVLENQPPRISKAQKRREKKAALEREERIEAEIENLTGARHMESEKLAQ  
 ILAARQLEIKQIPSDGHCMYKAIEDQLKEKDCALTVVALRSQTAEYMQSHVEDFLPFLTNPNTGDMYTP  
 EFQKYCEDIVNTAAWGGQLELRALSHILQTPIEIIQADSPPIIVGEEYSKKPLILVYMRHAYGLGEHYS  
 VTRLVNIVTENC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_016023

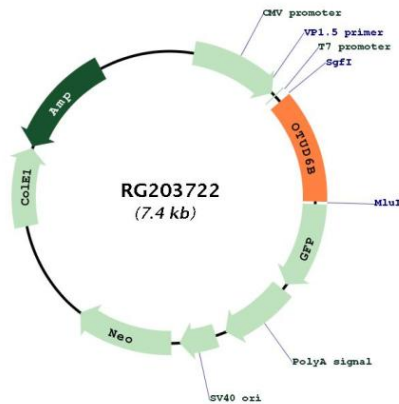
**ORF Size:** 879 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_016023.2, NP_057107.2</u>
<b>RefSeq Size:</b>	3306 bp
<b>RefSeq ORF:</b>	882 bp
<b>Locus ID:</b>	51633
<b>UniProt ID:</b>	<u>Q8N6M0</u>
<b>Cytogenetics:</b>	8q21.3
<b>Domains:</b>	OTU
<b>Protein Families:</b>	Protease
<b>Gene Summary:</b>	This gene encodes a member of the ovarian tumor domain (OTU)-containing subfamily of deubiquitinating enzymes. Deubiquitinating enzymes are primarily involved in removing ubiquitin from proteins targeted for degradation. This protein may function as a negative regulator of the cell cycle in B cells. [provided by RefSeq, Nov 2013]

**Product images:**


Circular map for RG203722