

Product datasheet for **RG215651**

DUBA2 (OTUD6A) (NM_207320) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DUBA2
Synonyms:	DUBA2; HSHIN6
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215651 representing NM_207320
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGATGATCCGAAGAGTGAACAGCAGCGCATACTGCGCCGCCACCAACGCGAGAGGCAGGAGCTGCAGG
CCCAGATCCGGAGCTTAAAAAATCGGTCCCCAAGACCGACAAGACGAAAAGAAAGCAGTTGCTCCAAGA
CGTGGCCCGCATGGAGGCCGAGATGGCTCAGAAGCACCAGGAGCTGGAGAAGTTCCAAGACGACAGT
AGCATTGAATCTGTCGTCGAAGACCTGGCCAAGATGAATCTGGAACCCGGCTCCCGCTCCTCCAAAG
CCCACAGAAAGAGAGAAAGAAATGGAGTCCGAGGAGAGGGAGCGCCAGGAGAGCATCTCCAGGCTGAGAT
GTCGGAGCACCTGGCCGCTTCAAGCGCAGGAGGAGGAGAAGCTCGCCGCCATCCTGGGAGCCAGGGGT
CTGGAGATGAAAGCGATCCCGGCCGACGGCCACTGCATGTACCGCGCCATCCAAGACCAGCTGGTGTTC
GCGTGTCTGTGGAGATGCTGCGCTGCCGACCGCCAGCTACATGAAGAAGCACGTCGACGAGTTCTGCC
CTTCTTCAGCAACCCGAGACCAGCGACTCCTTCGGCTACGACGACTTCATGATCTACTGCACAACATC
GTGCGCACCAACGGCATGGGAGGCCAGCTGGAGCTGAGGGCCCTGTCGACGTCCTGAAGACCCCATCG
AGGTGATCCAGGCCGACTCGCCACCTTGATCATCGGGGAGGAGTACGTCGAAGAAGCCGATCATCTGGT
CTACCTGCGCTATGCCTACAGCTCGGCGAGCACTACAACCTCCGTGACACCGCTCGAGGCCGGCGCCGCC
GGGGCGGTGCTCCCGCGTCTCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG215651 representing NM_207320

Red=Cloning site Green=Tags(s)

MDDPKSEQQRILRRHRERQELQAQIRSLKNSVPKTDKTKRKQLLQDVARMEAEMAQKHRQELEKFQDD
SIESVVEDLAKMNLNRPSSKAHRKRERMESEERERQESIFQAEMSEHLAGFKREEEKLAAILGARG
LEMKAIPADGHCYRAIQDLVFSVSEMLRCRTASYMKKHVDFLPFFSNPETSDFSFGYDDFMIYCDNI
VRTTAWGGQLELRALSHVLKTPIEVIQADSPTLIIGEEYVKKPIILVYLRAYSLSLGEHNSVTPLEAGAA
GGVLPRL

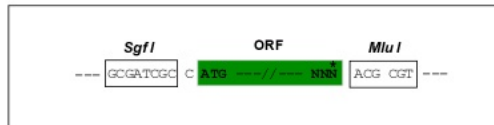
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGCCGCGCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGCCGCGGAGCT

- - E E R V Stop

ACCN:

NM_207320

ORF Size:

864 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_207320.3](#)

RefSeq Size: 1689 bp

RefSeq ORF: 867 bp

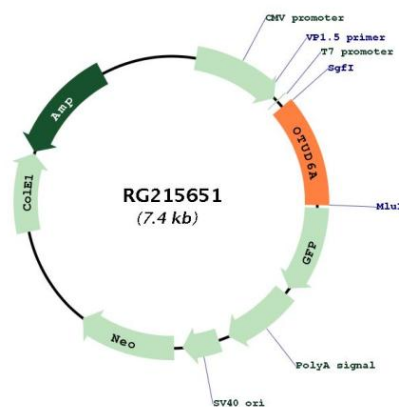
Locus ID: 139562

UniProt ID: [Q7L8S5](#)

Cytogenetics: Xq13.1

Gene Summary: Deubiquitinating enzymes (DUBs; see MIM 603478) are proteases that specifically cleave ubiquitin (MIM 191339) linkages, negating the action of ubiquitin ligases. DUBA2 belongs to a DUB subfamily characterized by an ovarian tumor (OTU) domain.[supplied by OMIM, May 2008]

Product images:



Circular map for RG215651