

Product datasheet for **MG203239**

Ube2q1 (BC082275) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2q1 (BC082275) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ube2q1
Synonyms:	NICE-5, PRO3094, Ube2q
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203239 representing BC082275 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGATCAGCCCTTGCCAGCAGAGCAGTGCACGCAGGAAGAAGTGTCTTCAGAAGATGAAGATGAAG
AGATGCCTGAGGATACAGAAGACCTAGATCACTATGAAATGAAAGAGGAAGAGCCAGCCGAGGGCAAGAA
GTCTGAAGATGATGGCATCGGAAAAGAGAACCTGGCCATCCTAGAGAAAATTAAGAACCAGAGGCAA
GATTACTTAAATGGTGCAGTGTCTGGCTCGGTGCAGGCCACTGACCGGCTGATGAAGGAGCTCAGGGATA
TATACCGATCACAGAGTTTCAAAGGCGGAACTATGCAGTCGAACTCGTGAATGACAGTCTCTATGACTG
GAATGTCAAACCTCTCAAAGTTGACCAGGATAGCGCTTTGCACAATGATCTTCAGATCCTGAAGGAGAAG
GAAGGAGCAGACTTCATCTACTTAACTTCTCCTTTAAAGATAACTTCCCCTTTGACCCACCGTTTCGTC
GGTGTGTCTCCAGTCTCTCTGGAGGGTATGTTCTGGGTGGAGGTGCCATCTGCATGGAACCTCTCAC
CAAGCAGGGCTGGAGCAGTGCCTACTCCATAGAGTCCGTGATCATGCAGATCAGCGCCACGCTGGTGAAG
GGGAAAGCACGGGTGCAGTTTGGAGCCAACAAATCTCAGTATAGCCTGACGAGAGCACAGCAGTCTTACA
AGTCTTGGTGCAGATCCATGAAAAACGGCTGGTACACACCCCAAGGAAGATGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203239 representing BC082275
Red=Cloning site Green=Tags(s)

MLDQPLPAEQCTQEEVSSSEDEDEEMPEDTEDLDHYEMKEEPAEGKKSDEDDGIGKENLAILEKIKKNQRQ
 DYLNQAVSGSVQATDRLMKELRDIYRSQSFKGGNYAVELVNDLSDYDWNVLLKVDQDSALHNDLQILKEK
 EGADFILLNFSFKDNFPDPPFVRVVSPLVSGGYVLGGGAICMELLTKQGWSSAYSIESVIMQISATLVK
 GKARVQFGANKSQYSLTRAQQSYKSLVQIHEKNGWYTPPKEDG

TRTRPLE - GFP Tag - V

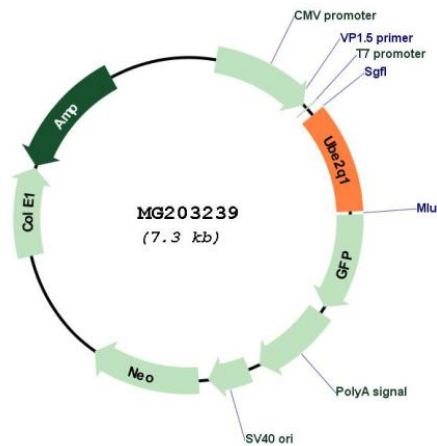
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC082275

ORF Size: 761 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:	BC082275 , AAH82275
RefSeq Size:	1686 bp
RefSeq ORF:	761 bp
Locus ID:	70093
Cytogenetics:	3 F1
Gene Summary:	Catalyzes the covalent attachment of ubiquitin to other proteins (By similarity). Involved in female fertility and embryo implantation (PubMed:23108111). May be involved in hormonal homeostasis in females (PubMed:23108111). Involved in regulation of B4GALT1 cell surface expression, B4GALT1-mediated cell adhesion to laminin and embryoid body formation (PubMed:18511602).[UniProtKB/Swiss-Prot Function]