

## Product datasheet for **MC217869**

### Ube2q1 (BC082275) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2q1 (BC082275) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ube2q1
Synonyms:	NICE-5, PRO3094, Ube2q
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC082275 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGATCAGCCCTTGCCAGCAGAGCAGTGCACGCAGGAAGAAGTGTCTTCAGAAGATGAAGATGAAG  
AGATGCCTGAGGATACAGAAGACCTAGATCACTATGAAATGAAAGAGGAAGGCCAGCCGAGGGCAAGAA  
GTCTGAAGATGATGGCATCGGAAAAGAGAACCTGGCCATCCTAGAGAAAATTAAGAAACAGAGGCAA  
GATTACTTAAATGGTGCAGTGTCTGGCTCGGTGCAGGCCACTGACCGGCTGATGAAGGAGCTCAGGGATA  
TATACCGATCACAGAGTTTCAAAGGCGGAACTATGCAGTCGAACTCGTGAATGACAGTCTCTATGACTG  
GAATGTCAAACCTCAAAGTTGACCAGGATAGCGCTTTGCACAATGATCTTCAGATCCTGAAGGAGAAG  
GAAGGAGCAGACTTATCCTACTTAACCTCTCCTTTAAAGATAACTTCCCCTTTGACCCACCGTTTCGTCA  
GGGTTGTGTCTCCAGTCTCTCTGGAGGGTATGTTCTGGTGGAGGTGCCATCTGCATGGAACCTCTCAC  
CAAGCAGGGCTGGAGCAGTGCCTACTCCATAGAGTCCGTGATCATGCAGATCAGCGCCACGCTGGTGAAG  
GGGAAAGCACGGGTGCAGTTTGGAGCCAACAAATCTCAGTATAGCCTGACGAGAGCACAGCAGTCTTACA  
AGTCCTTGGTGCAGATCCATGAAAAAACGGCTGGTACACACCCCAAGGAAGATGGCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	BC082275
Insert Size:	762 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<a href="#">BC082275</a> , <a href="#">AAH82275</a>
<b>RefSeq Size:</b>	1686 bp
<b>RefSeq ORF:</b>	761 bp
<b>Locus ID:</b>	70093
<b>Cytogenetics:</b>	3 F1
<b>Gene Summary:</b>	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]