

Product datasheet for **RR214565**

Ube2q1 (NM_001106448) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2q1 (NM_001106448) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ube2q1
Synonyms:	Ube2q
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214565 representing NM_001106448
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGCAGCCGAGCCGAGGGCAGCAGCAGCCGGGGCCGGGCGAGCAACTGGGGTCCAGGGGCGG
 CGCCGGGGCCGGGGCGGCCCGGGAGGGGCCGGGGCCAGGGCCCTGCCTGAGCGGGAGCTGAAGCT
 GCTCGAGTCCATCTTCCACCGCGCCACAGCGCTTCCGCATTGCCAGCGCCTGCCTGGACGAGCTGAGC
 TGCGAGTTCCTGCTGGCCGAGCCGAGGGGCGGGGCGGGGCTGCGCCCGGACCCATCTCCCCTCCC
 GGGGGTGGTGGCCGGGGACCCGTCCGCATCCACTGCAACATCACGGAATCATAACCCTGCTGTGCCCC
 CATCTGGTCGGTGGAGTCTGATGATCCTAACTGGCTGCTGTCTTGAGAGGCTGGTGGACATAAAGAAA
 GGAATACTTTGCTCTTGACGATCTGAAGAGGATCATCTGTACCTGTGTAACCTACAACCTCCCTC
 AGCATCCTGATGTGAAATGCTGGATCAGCCCTGCCAGCAGAGCAGTGCACGCAGGAAGAAGTATCTTC
 AGAAGACGAAGACGAAGAGATGCCCGAGGATACAGAAGACCTAGATCACTATGAGATGAAAGAGGAGGAG
 CCAGCGGAGGGCAAGAAGTCTGAAGATGATGGCATCGGAAAAGAAAACCTGGCCATCTAGAGAAAATTA
 AAAAGAACCAGAGGCAAGATTACTTAAATGGTGCAGTGTCTGGCTCGGTGCAGGCCACTGACCGGCTGAT
 GAAGGAGCTCAGGGATATATACCGATCACAGAGTTTCAAAGGCGGAACTATGCAGTCGAACTCGTGAAT
 GACAGTCTGTATGACTGGAATGTCAAACCTCAAAGTTGACCAGGACAGCGCTTTGACAATGATCTTC
 AGATCCTAAAGGAGAAGGAAGGAGCAGACTTATCCTACTCAACTTCTCCTTTAAAGATAACTTCCCCTT
 TGACCCACCGTTCGTCAAGGTTGTCTCCAGTCTCTGAGGGTATGTTCTGGGCGGAGGTGCCATC
 TGCATGGAGCTGCTCACCAAGCAGGGCTGGAGCAGCGCCTACTCCATAGAGTCCGTGATCATGCAGATCA
 GCGCCACGCTGGTGAAGGGGAAGGCACGGGTGCAGTTCGGAGCCAACAAATCTCAGTATAGTCTGACAAG
 AGCACAGCAGTCTACAAGTCTTGGTGCAGATCCACGAAAAAACGGCTGGTACACACCCCGAAGGAA
 GATGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214565 representing NM_001106448
 Red=Cloning site Green=Tags(s)

MQQPQPQQQPQPGPQQQLGVQGAAPGAGGGPGGGPGPGPCLRRELKLLLESIFHRGHERFRIASACLDEL
 S CEFLLAGAGGAGAGAAPGPHLPSRGSVPGDPVRIHCNITESYPVPPPIWSVESDDPNLA AVLRLVDIKK
 GNTLLLQHLKRIISDLCKLYNLPQHPDVEMLDQPLPAEQCTQEEVSEDEDEEMPEDTEDLDHYEMKEEE
 PAEGKKS EDDGIGKENLAILEKIKKNQRQDYLN GAVSGSVQATDRLMKELRDIYRSQSFKGGNYAVELVN
 D SLYDWNV KLLKVDQDSALHNDLQILKEKEGADFILLNFSFKDNFPDFPPFVRVVS PVL SGGYVLGGGAI
 CMELLTKQGWSSAYSIESVIMQISATLVK GKARVQF GANKSQYSLTRAQQSYKSLVQIHEKNGWYTPPK
 E DG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001106448

ORF Size: 1266 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.

RefSeq: [NM_001106448.2](#), [NP_001099918.1](#)
RefSeq Size: 1832 bp

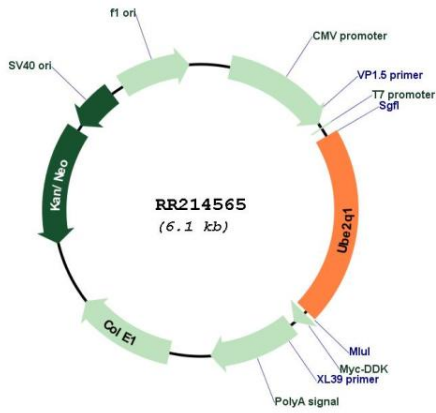
RefSeq ORF: 1269 bp

Locus ID: 295252

Cytogenetics: 2q34

MW: 46.2 kDa

Product images:



Circular map for RR214565