

Product datasheet for MR205892

Ube2q2 (NM_180600) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2q2 (NM_180600) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ube2q2
Synonyms:	3010021M21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205892 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGTGTCAGGGCTCAAGGCCGAGCTGAAGTTCCTGGCGTCCATCTTCGACAAGAACCACGAGCGAT
TCCGCATCGTCAGCTGGAAGCTGGACGAGCTGCACTGCCAGTTCCTGGTCCGCCGCCACCACCGCC
GGGCAGCTCGCTTTCGCCGCCGCCCGCTCACACTTCACTGCAACATCACGGAATCTTACCCATCTTCT
TCACCAATATGGTTTGTGGACTCTGATGACCCAAATCTGACATCAGTTCTGGAACGTTAGAAGATACTA
AGAACAACAGTTCGCTCCGTGAGCAATTGAAGTGGTTGATATGTGACCTCTGCAGATTATATAACCTTCC
TAAGCACCTGGATGTTGAGATGCTAGATCAACCACTACCCACGGGTCAGAATGGGACAACCTGAAGAAGTA
ACTTCAGAAGAAGAGGAAGAGGAGGAGATGGCTGAAGATATAGAAGACTTGGATCACTATGAGATGAAGG
AAGAAGAACCTATTAATGGGAAAAAGTCAGAGGATGAAGGGATTGAAAAAGAAAATTTGGCAATATTAGA
GAAAATCAGGAAGACTCAAAGGCAAGACATTTAAATGGTGCAGTGTCTGGGTCAGTACAAGCATCAGAC
AGACTGATGAAGGAGCTCAGGGACGTCTACAGATCACAGAGCTACAAGGCAGGGATTTATTCAGTGGAGC
TAACAAATGACAGCTTATGACTGGCATGTCAAACACACAAGGTTGACTCTGATAGTCCTTTGCACAG
TGATCTTCAGATCTTAAAAGAAAAAGGAGCATAGAATATATTTTGCTTAACTTCTCTTTAAGGATAAT
TTTCCATTTGATCCTCCGTTTGTAGAGTGGTGTACCTGTTCTCTCAGGAGGGTATGTGTTGGGTGGAG
GAGCACTTTGATGGAACCTCTCACAAAACAGGGCTGGAGCAGTGCCTACTCAATAGAATCTGTCATCAT
GCAGATCAATGCCACCTTAGTGAAGGCAAGCCCGGGTGCAGTTTGGAGCAAATAAGAATCAGTATAAT
CTAGCACGAGCCCAACAGTCTATAATTCCATTGTACAGATACATGAGAAAAATGGCTGGTACACACCTC
CAAAGGAAGATGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205892 protein sequence
 Red=Cloning site Green=Tags(s)

MSVSGLKAELKFLASIFDKNHERFRIVSWKLDLHCQFLVPPPPPPGSSLSPPPPLTLHCNITESYPSS
 SPIWFVSDDPNLTSLERLEDTKNSSLRQQLKWLICDLCLYLNPKHLDVEMLDQPLPTGQNGTTEEV
 TSEEEEEEMAEDIEDLDHYEMKEEEPINGKKSSEDEGIEKENLAILEKIRKTQRQDHLNGAVSGSVQASD
 RLMKELRDVYRSQSYKAGIYSVELTNDLSLYDWHVKLHKVSDSPLHSDLQILKEKEGIEYILLNFSFKDN
 FPFDPFVVRVLPVLSGGYVLGGGALCMELLTKQGWSSAYSIESVIMQINATLVK GKARVQFGANKNQYN
 LARAQQSYNSIVQIHEKNGWYTPPKEDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_180600

ORF Size: 1137 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_180600.1](#), [NM_180600.2](#), [NM_180600.3](#), [NP_850931.1](#)

RefSeq Size: 2952 bp

RefSeq ORF: 1137 bp

Locus ID: 109161

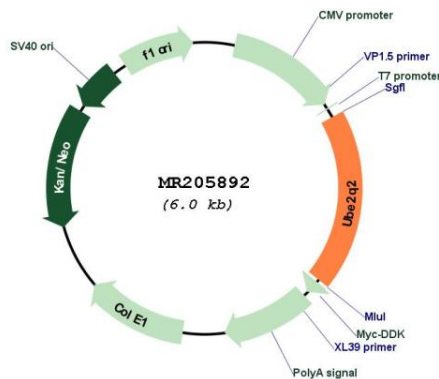
UniProt ID: [Q8K2Z8](#)

Cytogenetics: 9 B

MW: 42.9 kDa

Gene Summary: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205892