

Product datasheet for **MR214790**

Ube2u (NM_001033773) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube2u (NM_001033773) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ube2u
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR214790 representing NM_001033773, **codon optimized**.
Due to the complexity of NM_001033773, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTA**CTCAAAGCCTATATCCTCCTTGAACGCGAGTTCAGAGA**ACTTAAACGCGATACTAGAAAGGACA
 TAACTGCCTATCCCGTCAGCGACGATATGATGA**ACTGGAAGGCTGAGATCGAGGGACTGCGGAATAGCGT**
 GTGTGAGGGCCTGGTGTCTATCTGACCCTGGAGTTCAGCCAGGAATATAACAGCGTGCC**CCCTAACGTG**
 AAGTTTACCACCATCCCATTTCACCTAACGTAGACCCCTACACAGGAAAACCGTCTATCGACTTCTGG
 ACAAGCCAGGCAAGTGGAAACACAACTATACAGTGCTGTCCATACTGCTTATCAGATGTTGCTCAG
 CTATCCTGTTCTGAAGAACCCTGTGAACCTTGAAGCAGCTCAATTGCTGATTAGAAACGCCTCCACTTAT
 AAGATGGTCATCCAGGAGCTGTTGCCACCCGCTTCTTAAGCGCGAAAGCTCTCTCGTTATCCAGAAA
 AGCCTCAGGATAGGGTTCGAGTCATCAAGACTATCAGTTTTAATGATTACTACAAGACCTGGTCACAGAT
 CGCAACGACCAAGGTCGCCGAACACTCTAGGAACCCCTTCGTGGGCGATCCTCATTTTATGGGCCAGTAC
 TACAAATGGAAACAACAGGACAGGCAGAACAGGTACAGTGGGAATCCAAGTTCGCCCTGTCCAAGTGGC
 AGACAGCTCGCAAAAAGATTATGGCACAGGAGAAATCCAATCACTATAACCAGGTTATCGGCATCTACCC
 TTCCCCTAGCGAGCTGTCTTTTGTAGTACGAGATTGAGGAAGAGGAAGAGGAGGAGGAAGAGCCTAGAATTTATCAGATTC
 GAGGAAGAAGAAGAGGAGGAGGAGGAGGAAGAGGAGGAGGAAGAAGAGCCTAGAATTTATCAGATTC
 CTAGGAGTGGCCTGAAGAGCACGACTCAAAGGAGAGCTGGGAGGAAGAGCCGATCATCTCGTGAGTTG
 GACCAATGGCTTGGATGAAGAATCACTCAACTATGAGTACTTCGACAATGTTAAAAATTATGAGAACCTG
 GGCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214790 representing NM_001033773
 Red=Cloning site Green=Tags(s)

MYSKAYILLEREFRELKRDTRKDITAYPVSDMMNWKAEIEGLRNSVCEGLVFYLTLEFSQEYNSVPPNV
 KFTTIPFHPNVDPYTGKPSIDFLDKPGKWNTNYTVLSILLDLQMLLSYPVLKNPVNLEAAQLLIRNASTY
 KMVIQELLPPALPKRESSLVIPEKPQDRVRVIKTI SFNDYKTSQIATTKVAEHSRNPFGDPHFMGQY
 YKWKQQRQNVQWESKFALSKWQTARKKIMAEKSNHYNQVIGIYSPSEL SFEYEIEEEEEEEEEEEEE
 EEEEEEEEEEEEEEPRIYQIPQEWPEEHSKESWEEEDHLSVWNTGLDEESLNYEYFDNVKNYENL
 GN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001033773

ORF Size: 1056 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_001033773.4](#), [NP_001028945.2](#)

RefSeq Size: 1517 bp

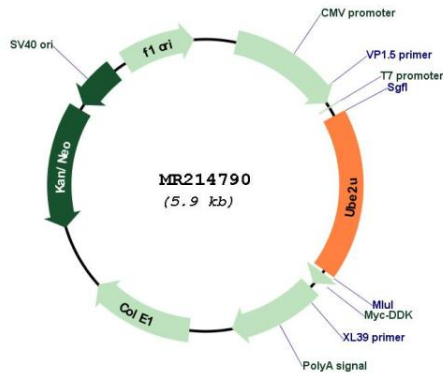
RefSeq ORF: 1059 bp

Locus ID: 381534

Cytogenetics: 4 C6

MW: 41.8 kDa

Product images:



Circular map for MR214790