

Product datasheet for **RR212717**

Ube2g1 (NM_022690) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2g1 (NM_022690) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ube2g1
Synonyms: Ubc7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212717 representing NM_022690
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGGAGCTGCAGTCGGCACTGCTACTGCGAAGACAGCTGGCAGAACTCAACAAAAATCCAGTGAAG
GCTTTTCAGCAGGTTTAATAGACGACAATGATCTCTATCGTTGGGAAGTCCTTATTATTGGTCTCCAGA
TACACTTTATGAAGGTGGTGTGTTTTAAGGCTCATCTCACTTTCCAAAAGATTATCCCTCCGACCTCT
AAAATGAAATTCATTACAGAGATTTGGCACCAATGTTGATAAAAAATGGTGATGTTTGCAATTTCTATTC
TTCATGAACCTGGAGAGGATAAATATGGTTATGAGAAGCCAGAGGAACGCTGGCTGCCTATCCATACTGT
GGAAACCATCATGATTAGTGTCATTTCTATGCTGGCAGATCCTAATGGAGACTCACCTGCAAATGTAGAT
GCTGCGAAAGAATGGAGGAAGACAGAAATGGAGAATTTAAAAGGAAAGTTGCCCGCTGTGTAAGAAAAA
GCCAAGAAACTGCTTTTGAG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212717 representing NM_022690
Red=Cloning site Green=Tags(s)

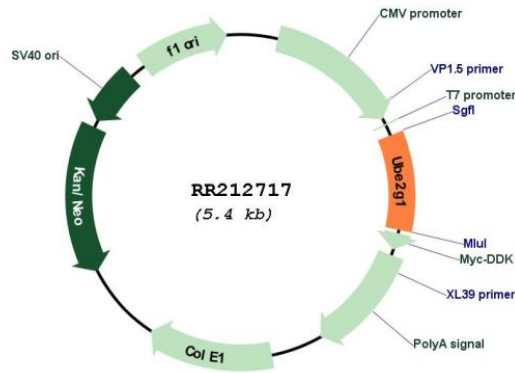
MTELQSALLRRQLAELNKNPVEGFSAGLIDDNDLYRWEVLIIGPPDTLYEGGVFKAHLTFPKDYPLRPP
KMKFITEIWHPNVDKNGDVCISILHEPGEDKYGYEKPEERWLP IHTVETIMISVISMLADPNNGSPANVD
AAKEWREDRNGEFKRKVARCVRKSEQETAFAE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_022690

ORF Size: 510 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:	<u>NM_022690.2</u> , <u>NP_073181.1</u>
RefSeq Size:	2008 bp
RefSeq ORF:	513 bp
Locus ID:	64631
UniProt ID:	<u>P62255</u>
Cytogenetics:	10q24
MW:	19.5 kDa
Gene Summary:	ubiquitin (Ub)-conjugating enzyme that can support conjugation of NEDD8 to endogenous reticulocyte proteins [RGD, Feb 2006]