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Product datasheet for RC212405

UBE2L6 (NM_004223) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2L6 (NM_004223) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UBE2L6
Synonyms:	RIG-B; UBCH8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC212405 representing NM_004223
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGCGAGCATGCGAGTGGTGAAGGAGCTGGAGGATCTTCAGAAGAAGCCTCCCCCATACCTGCGGA
ACCTGTCCAGCGATGATGCCAATGTCCTGGTGTGGCACGCTCTCCTCCTACCCGACCAACCTCCCTACCA
CCTGAAAGCCTTCAACCTGCGCATCAGCTTCCCGCCGGAGTATCCGTTCAAGCCTCCCATGATCAAATTC
ACAACCAAGATCTACCACCCCAACGTGGACGAGAACGGACAGATTTGCCTGCCCATCATCAGCAGTGAGA
ACTGGAAGCCTTGCACCAAGACTTGCCAAGTCCTGGAGGCCCTCAATGTGCTGGTGAATAGACCGAATAT
CAGGGAGCCCCTGCGGATGGACCTCGCTGACCTGCTGACACAGAATCCGGAGCTGTTCAGAAAGAATGCC
GAAGAGTTCACCCTCCGATTCGGAGTGGACCGGCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212405 representing NM_004223
Red=Cloning site Green=Tags(s)

MMASMRVVKELEDLQKKPPPYLRNLSSDDANVLVWHALLLPDQPPYHLKAFNLRISFPPEYPFKPPMIKF
TTKIYHPNVDENGQICLPIISSENWKPCTKTCQVLEALNVLVNRPNIREPLRMDLADLLTQNPELFRKNA
EEFTLRFGVDRPS

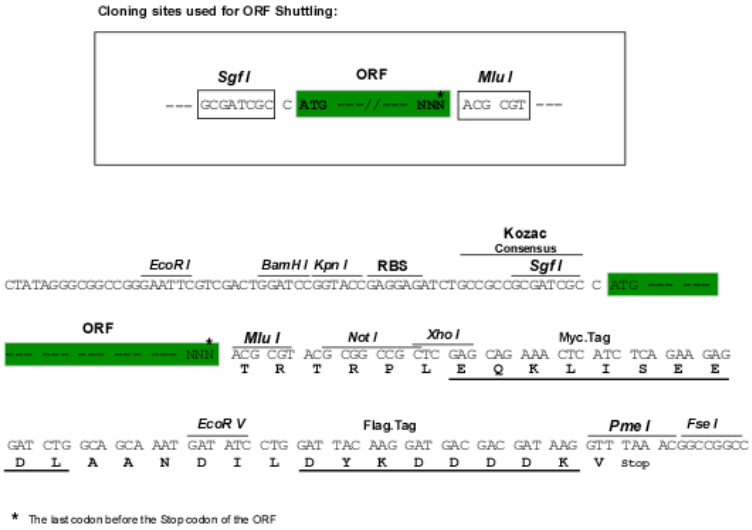
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6037_f04.zip

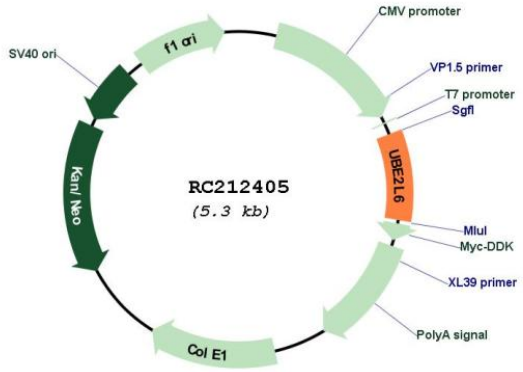
View online »

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_004223

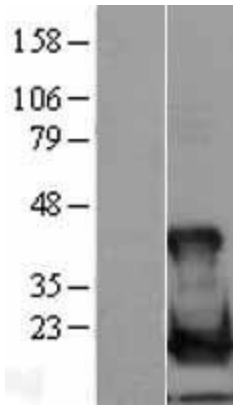
ORF Size: 459 bp

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

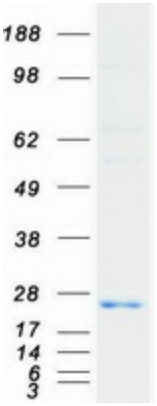
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_004223.5
RefSeq Size:	1260 bp
RefSeq ORF:	462 bp
Locus ID:	9246
UniProt ID:	O14933
Cytogenetics:	11q12.1
Domains:	UBCc
Protein Pathways:	Parkinson's disease, Ubiquitin mediated proteolysis
MW:	17.6 kDa
Gene Summary:	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes (E1s), ubiquitin-conjugating enzymes (E2s) and ubiquitin-protein ligases (E3s). This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is highly similar in primary structure to the enzyme encoded by the UBE2L3 gene. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2011]

Product images:



Western blot validation of overexpression lysate (Cat# [LY401353]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212405 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UBE2L6 protein (Cat# [TP312405]). The protein was produced from HEK293T cells transfected with UBE2L6 cDNA clone (Cat# RC212405) using MegaTran 2.0 (Cat# [TT210002]).