

# Product datasheet for RC207106

# UBE2L6 (NM\_198183) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	UBE2L6 (NM_198183) 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:	<pre>&gt;RC207106 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGATGGCGAGCATGCGAGTGGTGAAGGAGCTGGAGGATCTTCAGAAGAAGCCTCCCCCATACCTGCGGA ACCTGTCCAGCGATGATGCCAATGTCCTGGTGTGGCACGCTCTCCTCCTACCCGACCAACCTCCCTACCA CCTGAAAGCCTTCAACCTGCGCATCAGCTTCCCGCCGGAGTATCCGTTCAAGCCTCCCATGATCAAATTC ACAACCAAGATCTACCACCCCAACGTGGACGAGAACGGACAGATTTGCCTGCC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	<pre>&gt;RC207106 protein sequence Red=Cloning site Green=Tags(s)</pre>
	MMASMRVVKELEDLQKKPPPYLRNLSSDDANVLVWHALLLPDQPPYHLKAFNLRISFPPEYPFKPPMIKF TTKIYHPNVDENGQICLPIISSENWKPCTKTCQVLEALNVLVNRPNIREPLRMDLADLLTQNPELFRKNA EEFTLRFGVDRPS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6334_d04.zip



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	2L6 (NM_198183) Human Tagged ORF Clone – RC207106
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	$\frac{EcoRI}{EcoRI} \underbrace{BamHI Kpn I}_{ACG CGT ACG GG CCG CCG CCG CGG CAG AAA CTC ACC AGAA GAG T R T R P L E Q K L I S E E$
	Ecor V     Flag.Tag     Pme I     Fse I       GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC     D     L     A     N     D     I     L     D     Y     K     D     D     K     V     stop
	* The last codon before the Stop codon of the ORF
ACCN:	NM_198183
ORF Size:	462 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. <u>More info</u>
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 Metho	<ul> <li>d: 1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ul>
RefSeq Size:	1642 bp
RefSeq ORF:	264 bp
Locus ID:	9246

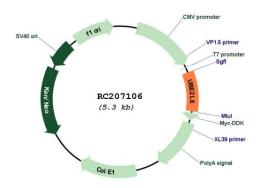
UniProt ID:

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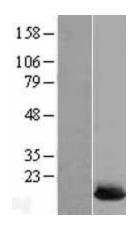
<u>014933</u>

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Cytogenetics:	11q12.1	
Protein Pathways:	Parkinson's disease, Ubiquitin mediated proteolysis	
MW:	17.8 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:**



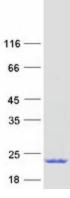
Circular map for RC207106



Western blot validation of overexpression lysate (Cat# [LY404883]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207106 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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Coomassie blue staining of purified UBE2L6 protein (Cat# [TP307106]). The protein was produced from HEK293T cells transfected with UBE2L6 cDNA clone (Cat# RC207106) using MegaTran 2.0 (Cat# [TT210002]).

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