

Product datasheet for **RC205547**

UBQLNL (NM_145053) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBQLNL (NM_145053) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UBQLNL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC205547 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGCATGCCATCTCTCGAACATCCAGGATGTCCAGAGTGGATGTCCATCAGGTCTGCTGGCAGACA
 AAAATATCTCTTCAAGTGCCACTCGAGTGATAGTGAAGACTGCAGGCAACCAGAAAGACTTTATGGTAGC
 TGATGACATCTCGGTAAGGCAGTTCAAGGAGATGCTATTGGCTCACTTCCAATGCCAGATGGACCAACTA
 GTGCTGGTCTTCATGGGTTGCCCTTCTCAAAGACCATGACACACTGAGCCAGAGGGGCATCATGGATGGCC
 ACACCATCTACTTGGTCACTCAAGTCCAAGCAGGGCTCCAGATCTCTAGCCCATTCTTCCGGGACCTGCC
 AACGAATGATCCCTGCCACCGGGACAGAAACACCAAAGGAAACAGCAGCAGAGTGCACCAACCAACTGGT
 ATGAATCAAGCTCCAGTGAAGTGGCCACTTTGTGGGTCTGATGCACCCAAAGTGCATACCCAAAAT
 TGGAGTGAGCCACCCAGAGCGCAAAGCACAGATGCTGGAGAATCCTAGCATCCAGCGGCTTCTGTCCAA
 CATGGAGTTCATGTGGCAGTTCATTTAGAACATCTAGACACGCAACAATTGATGCAGCAGAACCCCGAA
 GTTCCCCTCTTCTTCTGATAATTCTGAGATCCTATTGCAGACTCTGGAGCTGGCCAGGAACCTTGCTA
 TGATCCAAGAGATAATGCAGATCCAACAACCTTCAAAAACTTGAGTATCCACTGAACCCACAGCCATA
 TCTGGGCTTAGAGACAATGCCAGGTGGGAATAATGCCCTGGGTCAGAACCATGCTGATATCAATGATCAA
 ATGCTGAACAGCATGCAAGATCCTTTGGAGGAAACCTTTCACAGCTCTCCTGGCAGGACAAGTGTAG
 AACAAGTCCAGTCTTACCCCCACTCCACCACCATCACAGGAACAACAAGACCAGCTCACACAGCATCC
 TGCAACCCGAGTCATCTAATAGCTCTGGTGGTTTCTCTTCAAACACCTCAGCCAATGACACCCTTAAC
 AAGGTCAACCACACTTCAAAGCCAACACTGCTATGATTTCCACCAAGGGCCAGAGCCATATCTGTGCCA
 CTCGGCAGCCAGCTGGGATACCAGCCTTACCTAGCATAGAGCTTACCAGCAGCTTCAAGAAGAATAACA
 GGATGCCACTGTTTCTAAGTAGCTCCAGACAGACATTAAGGGTGATCTCCAGCTGTCAGATGAACAG
 AGCAGCTCCAGATCACAGGAGGCATGATGCAGTTGCTTATGAACAACCCCTACCTGGCAGCTCAGATTA
 TGTTGTTCAAGTATGCCCCAGCTGAGTGAACAGTGGAGGCAGCAGCTGCCACATTCTGCAGCAGAC
 ACAGATTTCTGATCTGCTTAGTGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205547 protein sequence
 Red=Cloning site Green=Tags(s)

MWHAISRMSQSGCPSGLLADKNISSATRIVKTAGNQKDFMVADDISVRQFKEMLLAHFQCQMDQL
 VLVFMGCLLKDHDTLSQRGIMDGHTIYLVKSKQGSRLAHSFRDLPTNDPCHRDRNTKGNSSRVHQPTG
 MNQAPVELAHFVGS DAPKVHTQNLVSHPERKAQMLENPSIQRLLSNMEFMWQFISEHLDTQQLMQQNPE
 VSRLLLDNSEILLQTLELARNLAMIQEIMQIQPSONLEYPLNPQPYLPLETMPGGNNALGQNHADINDQ
 MLNSMQDPFGGNPFTALLAGQVLEQVQSSPPPPPSQEQDQLTQHPATRVIYNSGGFSSNTSANDTLN
 KVNHTSKANTAMISTKGQSHICATRQPAGIPALPSIELTQQLQEEYKDQATVSLSSSRQTLKGDQLSDEQ
 SSSQITGGMMQLLMNPNYLAQAQIMLFTSMPQLSEQWRQLPTFLQQTQISDLLSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6537_d03.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_145053

ORF Size: 1425 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.

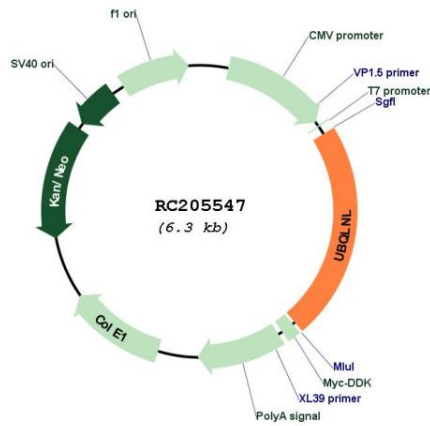
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_145053.5](#)
RefSeq Size: 2350 bp

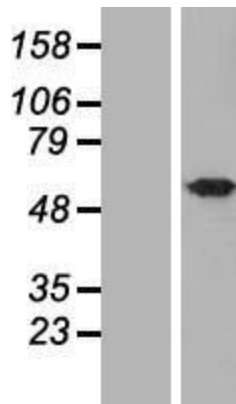
RefSeq ORF: 1428 bp

Locus ID: 143630

UniProt ID: [Q8IYU4](#)
Cytogenetics: 11p15.4
Domains: UBQ
Protein Families: Druggable Genome
MW: 52.8 kDa

Product images:


Circular map for RC205547



Western blot validation of overexpression lysate (Cat# [LY408069]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205547 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UBQLNL protein (Cat# [TP305547]). The protein was produced from HEK293T cells transfected with UBQLNL cDNA clone (Cat# RC205547) using MegaTran 2.0 (Cat# [TT210002]).