

Product datasheet for **RC225357**

UPK3BL1 (NM_001114403) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	UPK3BL1
Synonyms:	UPK3BL; UPLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC225357 representing NM_001114403
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAACAGCTGGAGGCTTGGCCCGCCATAGGGCTCTCTGCGGGACAGTCCCAGCTGCTAGTGTCGC
TGTTGCTGCTACTGACCCGTGTCCAGCCTGGGACAGACGTGGCTGCCCCAGAGCACATCAGCTATGTGCC
CCAGCTCTCAAACGACACCTTGGCGGGGAGGCTCACCTGTCCACCTTCACGCTGGAGCAGCCTCTAGGC
CAGTTCAGCAGCCACAACATCTCTGACTTGGATACCATCTGGCTGGTGGTGGCCCTCAGCAACGCCACCC
AGAGCTTCACGGCCCCACGGACAAACCAGGACATCCCTGCTCCTGCCAACTTCTCCCAGAGGGGCTACTA
TCTCAGACTGAGGGCCAACCGGGTGTGTACCAGACCAGAGGCCAGCTCCATGTCTCCGCGTCGGCAAT
GATACCCACTGCCAACCAACAAAAATTGGCTGCAACCATCCCCTACCAGGACCCGGCCCTACAGGGTGA
AGTTCCTGGTGATGAATGACGAAGGACCCGTGGCTGAAACCAAGTGGTCCAGCGACACTCGCCTGCAGCA
AGCCCAGGCACTTCGGGCTGTCCCCGGCCCCAGAGCCCGGGCACCCTGGTTCATCATCGCCATCCTGTCT
ATCCTCCTGGCCGTCCTCTCACGGTCTCCTGGCTGTGCTCATATACACCTGCTTCAACAGCTGCAGGA
GCACCTCCCTATCAGGCCCAGAGGAGGCAGGGAGTGTGAGAAGATACACCACGACCTCGCGTTCAGCAC
TCCTGCCGAGGGGCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC225357 representing NM_001114403

Red=Cloning site Green=Tags(s)

MDNSWRLGPAIGLSAGQSQLLVSLLLLTRVQPGTDVAAPEHISYVPQLSNDTLAGRLLSTFTLEQPLG
QFSSHNISDLDTIWL VVALSNATQSFTAPRTNQDIPAPANFSQRGYYLTLRANRVL YQTRGQLHVL RVGN
DTHCQPTKIGCNHPLPGPGPYRVKFLVMNDEGPVAETKWSSDTRLQQAQALRAVPGPQSPGTVVIIAILS
ILLAVLLTVLLAVLIYTCFNCRSTSLSGPEEAGSVRRYTTHLAFSTPAEGAS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

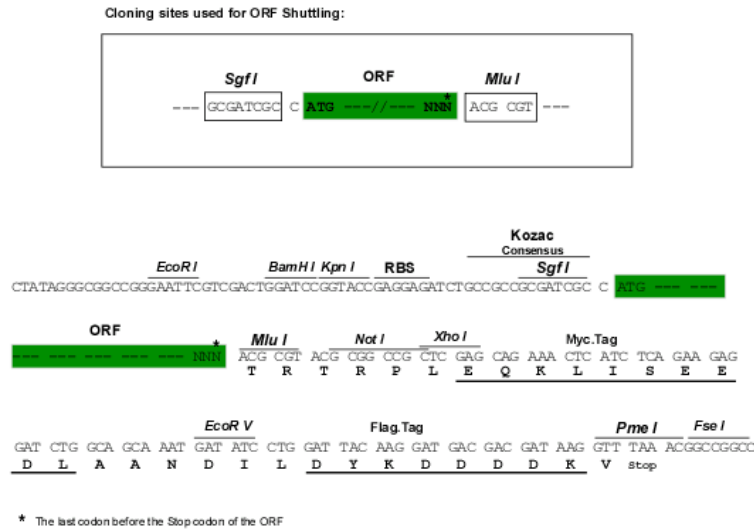
Chromatograms:

https://cdn.origene.com/chromatograms/mk8033_e09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001114403

ORF Size:

789 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_001114403.3

RefSeq ORF: 792 bp

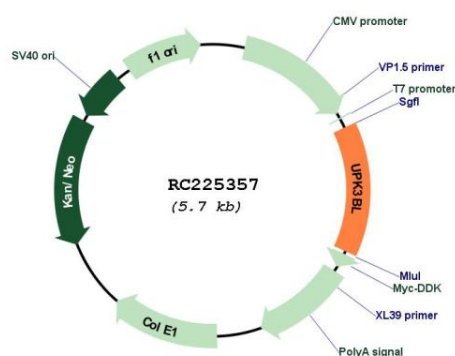
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UniProt ID: B0FP48

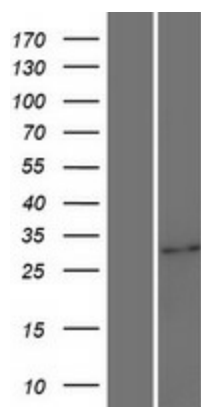
Cytogenetics: 7q22.1

MW: 28.2 kDa

Product images:



Circular map for RC225357



Western blot validation of overexpression lysate (Cat# [LY426490]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225357 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).