

Product datasheet for RC202220

C14orf130 (UBR7) (NM_018108) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf130 (UBR7) (NM_018108) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C14orf130
Synonyms:	MGC9518, FLJ10483
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202220 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCAGTGCCTAGTCTGTGAAGACTGGTCCATGGAAGGCATCTTGGTGCCATCCCCCTGAGAGTG
GGGATTTTCAGGAGATGGTATGCCAGGCCATGAAACGTTGTTCTTTTTGTGGGCTTATGCTGCACA
ATTGGCAGTAACCAAAATATCCACTGAGGATGATGGATTGGTGCAGAACATTGATGGAATAGGTGATCAG
GAAGTTATCAAACCTGAAAATGGAGAGCATCAAGATAGTACCCTCAAAGAGGATGTTCCAGAACAGGGAA
AGGATGATGTCCGGGAGGTTAAAGTAGAGCAGAACAGTGAACCATGTGCCGGCTCTAGTTCTGAATCTGA
TCTCCAGACAGTGTAAAGAATGAAAGCCTCAACGCAGAATCAAATCTGGCTGCAAACCTCAGGAGCTT
AAAGCTAAGCAGCTTATAAAGAAAGACACTGCCACCTATTGGCCCTGAACTGGCGTAGCAAGTTGTGA
CCTGCCAAGACTGTATGAAAATGTATGGAGATCTAGATGTCTTATTCTGACAGATGAATACGACACAGT
TCTGGCTTATGAAAACAAAGGGAAGATTGCCAGGCCACTGACAGGAGCGATCCCCTAATGGATACCCCT
AGCAGCATGAATAGAGTCCAGCAAGTGGAACTCATTTGTGAATACAATGATTTGAAGACTGAACTTAAAG
ACTATCTCAAGAGATTTGCTGATGAAGGCACGGTTGTTAAGAGAGAGGACATTCAGCAGTTCTTTGAAGA
GTTTCAGTCAAAAAGAGAAGAAGAGTGGATGGATGCAGTATTACTGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC202220 protein sequence
 Red=Cloning site Green=Tags(s)

MIQCVVCEWDFHGRHLGAIPPESGDFQEMVCQACMKRCSFLWAYAAQLAVTKISTEDDGLVRNIDGIGDQ
 EVIKPENGEHQDSTLKEDVPEQKDDVREVKVEQNSEPCAGSSSESDLQTVFKNESLNAESKSGCKLQEL
 KAKQLIKKDTATYWPLNWRSKLCTCQDCMKMYGDLVFLTDEYDTVLAYENKGIQAQATDRSDPLMDTL
 SSMNRVQQVELICEYNDLKTDLKDYLRFADEGTVVKREDIQQFFEEFQSKRRRRVDGMQYYCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6307_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_018108

ORF Size: 822 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_018108.2](#), [NP_060578.2](#)

RefSeq Size: 3709 bp

RefSeq ORF: 824 bp

Locus ID: 55148

Cytogenetics: 14q32.12

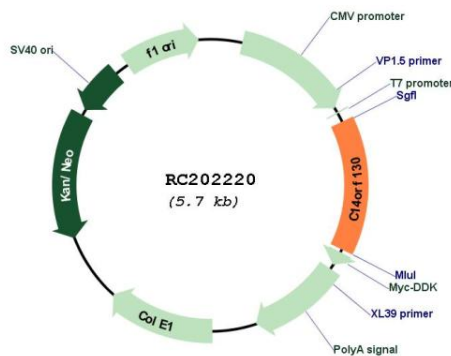
Domains: zf-UBR1

Protein Families: Druggable Genome

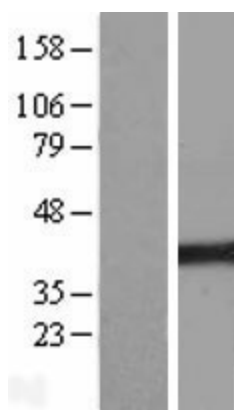
MW: 31.4 kDa

Gene Summary: This gene encodes a UBR box-containing protein that belongs to the E3 ubiquitin ligase family. The protein also contains a plant homeodomain (PHD) in the C-terminus. In mammals, the encoded protein recognizes N-degrons, the destabilizing N-terminal residues of short-lived proteins, which results in ubiquitinylation, and proteolysis via the proteasome. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RC202220



Western blot validation of overexpression lysate (Cat# [LY413295]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202220 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).