

Product datasheet for **RC218298**

C14orf130 (UBR7) (NM_175748) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf130 (UBR7) (NM_175748) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C14orf130
Synonyms:	C14orf130; LICAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC218298 representing NM_175748
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGGAGCCGAGGGCGCGCTGGGCGGCAGTCGGAGCTGGAGCCCGTGGTATCGTTGGTCGACGTCC
 TTGAGGAGGACGAGGAGCTGGAGAATGAGGCGTGCCTGTCTGGGCGGAGCGACTCCGAGAAGTGCTC
 CTA CTCTCAGGGCTCAGTAAAGAGACAAGCACTATATGCCTGTAGTACCTGCACCCAGAGGGAGAAGAA
 CCAGCAGGAATTTGTTTAGCTTGCAATTAATGAATGTCATGGAAGTCACAACTATTTGAGCTATACACAA
 AAAGAAATTTTCGTTGTGATTGTGGAAACAGCAAGTTTAAAAATTTGGAATGCAAATTA CTCTGACAA
 AGCAAAGTAAATTCGGCAATAAGTACAATGACAACCTTTTTGGATTGTACTGCATTTGCAAGAGACCT
 TATCCTGATCCTGAAGACGAGATTCCAGATGAGATGATCCAGTGCCTAGTCTGTGAAGACTGGTTCCATG
 GAAGGCATCTTGGTGCCATTCCTCTGAGAGTGGGGATTTTCAGGAGATGGTATGCCAGGCTGCATGAA
 ACGTTGTTCTTTTTGTGGGCTTATGCTGCACAATTGGCAGTAACCAAAATATCCACTGAGGATGATGGA
 TTGGTGCCGAACATTGATGGAATAGGTGATCAGGAAGTTATCAAACCTGAAAATGGAGAGCATCAAGATA
 GTACCCCTCAAAGAGGATGTTCCAGAACAGGGAAAGGATGATGTCCGGGAGGTTAAAGTAGAGCAGAACAG
 TGAACCATGTGCCGGCTTAGTTCTGAATCTGATCTCCAGACAGTGTTTAAAGATGAAAGCCTCAACGCA
 GAATCAAATCTGGCTGCAAACCTCAGGAGCTTAAAGCTAAGCAGCTTATAAAGAAAGACACTGCCACCT
 ATTTGGCCCTGAACTGGCGTAGCAAGTTGTGTACCTGCCAAGACTGTATGAAAATGTATGGAGATCTAGA
 TGTCTTATCTGACAGATGAATACGACACAGTTCTGGCTTATGAAAACAAAGGGGAGATTGCCAGGCC
 ACTGACAGGAGCGATCCCCTAATGGATACCTTAGCAGCATGAATAGAGTCCAGCAAGTGGAACTCATT
 GTGAATACAATGATTTGAAGACTGAACCTAAAGACTATCTCAAGAGATTTGCTGATGAAGGCACGGTTGT
 TAAGAGAGAGGACATTCAGCAGTTCTTTGAAGAGTTTCAGTCAAAAAGAGAAGAAGAGTGGATGGGATG
 CAGTATTACTGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218298 representing NM_175748
 Red=Cloning site Green=Tags(s)

MAGAEGAAGRQSELEPVVSLVDVLEEELENEACAVLGGSDSEKCSYSQGSVKRQALYACSTCTPEGEE
 PAGICLACSYECHGSHKLFELYTKRNFRCDCGNSKFKNLECKLLPDKAKVNSGNKYNDNFFGLYCICKRP
 YPDPEDEIPDEMIQCVCEDWFHGRHLGAIPPESGDFQEMVCQACMKRCSFLWAYAAQLAVTKISTEDDG
 LVRNIDGIGDQEVIKPENGEHQDSTLKEDVPEQKDDVREVKVEQNSEPCAGSSSESDLQTVFKNESLNA
 ESKSGCKLQELKAKQLIKKDTATYWPLNWRSLCTCQDCMKMYGDLVFLFTDEYDVLAYENKGIQAQA
 TDRSDPLMDTLSSMNRVQQVELICEYNDLKTDLKRFADEGTVVKREDIQQFFEEFQSKRRRVDGM
 QYYCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg2383_g07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_175748

ORF Size: 1275 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_175748.4](#)

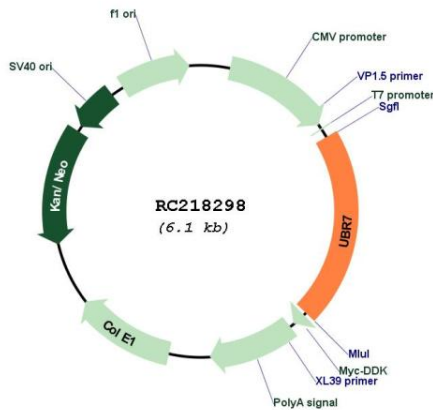
RefSeq Size: 1576 bp

RefSeq ORF: 1278 bp

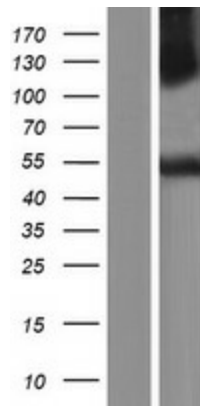
Locus ID: 55148

UniProt ID: [Q8N806](#)
Cytogenetics: 14q32.12
Protein Families: Druggable Genome
MW: 47.8 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]

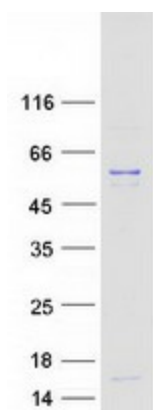
Product images:



Circular map for RC218298



Western blot validation of overexpression lysate (Cat# [LY403580]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218298 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UBR7 protein (Cat# [TP318298]). The protein was produced from HEK293T cells transfected with UBR7 cDNA clone (Cat# RC218298) using MegaTran 2.0 (Cat# [TT210002]).