

Product datasheet for **RG202220**

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: TurboGFP
Symbol: C14orf130
Synonyms: MGC9518, FLJ10483
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202220 representing NM_018108
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCAGTGCCTAGTCTGTGAAGACTGGTTCATGGAAGGCATCTTGGTGCCATCCCCCTGAGAGTG
GGGATTTTCAGGAGATGGTATGCCAGGCCATGAAACGTTGTTCTTTTTGTGGGCTTATGCTGCACA
ATTGGCAGTAACCAAAATATCCACTGAGGATGATGGATTGGTGCAGAACATTGATGGAATAGGTGATCAG
GAAGTTATCAAACCTGAAAATGGAGAGCATCAAGATAGTACCCTCAAAGAGGATGTTCCAGAACAGGGAA
AGGATGATGTCCGGGAGTTAAAGTAGAGCAGAACAGTGAACCATGTGCCGGCTCTAGTTCTGAATCTGA
TCTCCAGACAGTGTAAAGAATGAAAGCCTCAACGCAGAATCAAATCTGGCTGCAAACCTCAGGAGCTT
AAAGCTAAGCAGCTTATAAAGAAAGACACTGCCACCTATTGGCCCTGAACTGGCGTAGCAAGTTGTGA
CCTGCCAAGACTGTATGAAAATGTATGGAGATCTAGATGTCTTATTCTGACAGATGAATACGACACAGT
TCTGGCTTATGAAAACAAAGGGAAGATTGCCAGGCCACTGACAGGAGCGATCCCCTAATGGATACCCCT
AGCAGCATGAATAGAGTCCAGCAAGTGGAACTCATTTGTGAATACAATGATTTGAAGACTGAACTTAAAG
ACTATCTCAAGAGATTTGCTGATGAAGGCACGGTTGTTAAGAGAGAGGACATTCAGCAGTCTTTGAAGA
GTTTCAGTCAAAAAGAGAAGAAGAGTGGATGGATGCAGTATTACTGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202220 representing NM_018108
 Red=Cloning site Green=Tags(s)

MIQCVVCEWDFHGRHLGAIPPESGDFQEMVCQACMKRCSFLWAYAAQLAVTKISTEDDGLVRNIDGIGDQ
 EVIKPENGEHQDSTLKEDVPEQKDDVREVKVEQNSEPCAGSSSESDLQTVFKNESLNAESKSGCKLQEL
 KAKQLIKKDTATYWPLNWRSKLCTCQDCMKMYGDLVDLFLTDEYDTVLAYENKGIQAATDRSDPLMDTL
 SSMNRVQQVELICEYNDLKTDLKDYLRFADEGTVVKREDIQQFFEEFQSKRRRRVDGMQYCS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



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.

RefSeq: [NM_018108.2](#), [NP_060578.2](#)

RefSeq Size: 3507 bp

RefSeq ORF: 824 bp

Locus ID: 55148

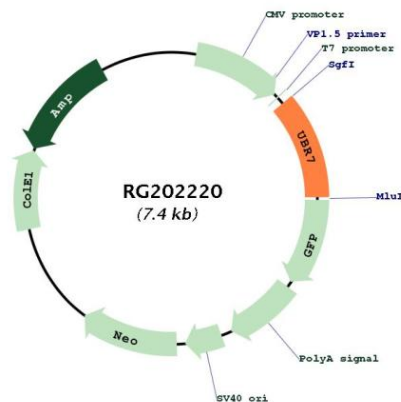
Cytogenetics: 14q32.12

Domains: zf-UBR1

Protein Families: Druggable Genome

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 RG202220