

## Product datasheet for **RG215315**

### **C14orf130 (UBR7) (NM\_001100417) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf130 (UBR7) (NM_001100417) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBR7
Synonyms:	C14orf130; FLJ10483; MGC9518
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215315 representing NM_001100417 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCGTGGCTGTCCTGGGCGGCAGCGACTCCGAGAAGTGCTCCTACTCTCAGAAATTTTCGTTGTG  
ATTGTGGAACAGCAAGTTTAAAAATTTGGAATGCAAATTAATTCCTGACAAAGCAAAGGTAATTTCTGG  
CAATAAGTACAATGACAACCTTTTTGGATTGTACTGCATTTGCAAGAGACCTTATCCTGATCCTGAAGAC  
GAGATTCCAGATGAGATGATCCAGTGCAGTGTGAAGACTGGTTCATGGAAGGCATCTTGGTGCCA  
TTCCCCCTGAGAGTGGGATTTTCAGGAGATGGTATGCCAGGCCATGAAACGTTGTTCTTTTTGTG  
GGCTTATGCTGCACAATTGGCAGTAACCAAAATATCCACTGAGGATGATGGATTGGTGCGGAACATTGAT  
GGAATAGGTGATCAGGAAGTTATCAAACCTGAAATGGAGAGCATCAAGATAGTACCCTCAAAGAGGATG  
TTCCAGAACAGGGAAAGGATGATGTCCGGGAGGTTAAAGTAGAGCAGAACAGTGAACCATGTGCCGGCTC  
TAGTTCTGAATCTGATCTCCAGACAGTGTAAAGAATGAAAGCCTCAACGCAGAAATCAAATCTGGCTGC  
AACTTCAGGAGCTTAAAGCTAAGCAGCTTATAAAGAAAGACACTGCCACCTATTGGCCCCTGAAGTGGC  
GTAGCAAGTTGTGTACCTGCCAAGACTGTATGAAAATGTATGGAGATCTAGATGTCTTATTCCTGACAGA  
TGAATACGACACAGTTCTGGCTTATGAAAACAAAGGGAAGATTGCCAGGCCACTGACAGGAGCGATCCC  
CTAATGGATACCCTTAGCAGCATGAATAGAGTCCAGCAAGTGAAGTCAATTTGTAATACAATGATTTGA  
AGACTGAACTTAAAGACTATCTCAAGAGATTTGCTGATGAAGGCACGGTTGTTAAGAGAGAGGACATTCA  
GCAGTTCTTTGAAGAGTTTCAGTCAAAAAAGAGAAGAAGAGTGGATGGGATGCAGTATTACTGCAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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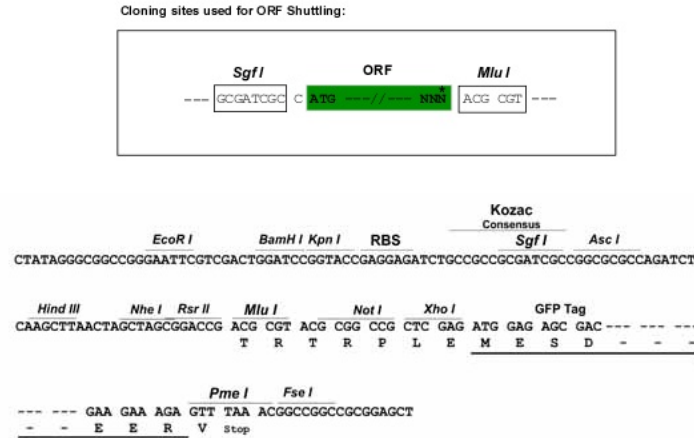
**Protein Sequence:** >RG215315 representing NM\_001100417  
 Red=Cloning site Green=Tags(s)

MRRALSWAAATPRSAPTLRNFRCDCGNSKFKNLECKLLPDKAKVNSGNKYNDNFFGLYCICKRPYPDPED  
 EIPDEMIQCVCEDWFHGRHLGAIPPESGDFQEMVCQACMKRCSFLWAYAAQLAVTKISTEDDGLVRNID  
 GIGDQEVIKPENGEHQDSTLKDVPVEQKDDVREVKVEQNSEPCAGSSSESDLQTVFKNESLNAESKSGC  
 KLQELKAKQLIKKDTATYWPLNWRSKLCTCQDCMKMYGDLVDLFLTDEYDTVLA YENKGGIAQATDRSDP  
 LMDTLSSMNRVQQVELICEYNDLKTLDYLRKFADEGT VVKREDIQQFFEEFQSKKRRRVDMQYYCS

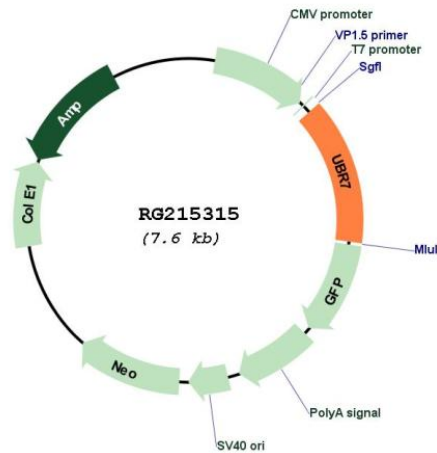
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001100417

**ORF Size:** 1047 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001100417.1</a> , <a href="#">NP_001093887.1</a>
<b>RefSeq Size:</b>	3575 bp
<b>RefSeq ORF:</b>	1049 bp
<b>Locus ID:</b>	55148
<b>Cytogenetics:</b>	14q32.12
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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]