

Product datasheet for **RG215072**

UBN1 (NM_001079514) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBN1 (NM_001079514) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBN1
Synonyms:	VT; VT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215072 representing NM_001079514 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ATTTGTTTCGGATGAGGAAGAAGATGAAGAAAAAGGGGGCAGGAGGATAATGGGACCTCGGAAGAAGTTCC
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ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG215072 representing NM_001079514

Red=Cloning site Green=Tags(s)

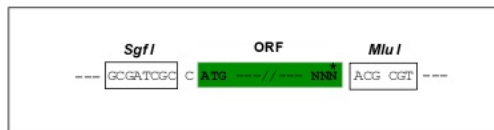
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGCGCGCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGCCGCCAGATCT
 HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -
 PmeI FseI
 --- GAA GAA AGA GTT TAA ACGGCCGCCGCCGAGCT
 - - E E R V Stop

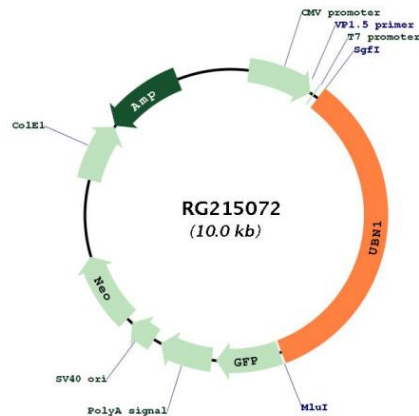
ACCN: NM_001079514

ORF Size: 3402 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:	<u>NM_001079514.3</u>
RefSeq Size:	5982 bp
RefSeq ORF:	3405 bp
Locus ID:	29855
UniProt ID:	<u>Q9NPG3</u>
Cytogenetics:	16p13.3
Gene Summary:	Cellular senescence is a hallmark of tumor suppression and tissue aging. Senescent cells contain domains of heterochromatin, called senescence-associated heterochromatin foci (SAHF), that repress proliferation-promoting genes. The protein encoded by this gene binds to proliferation-promoting genes and is required for SAHF formation, enhancing methylation of histone H3. [provided by RefSeq, Oct 2016]

Product images:



Circular map for RG215072