

## Product datasheet for **RG203318**

### USE1 (NM\_018467) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USE1 (NM_018467) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	USE1
Synonyms:	D12; MDS032; P31; SLT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203318 representing NM_018467 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGTCGAGGCTGGAGCTAAACCTGGTGGCTGCTATCCCGCTGCGAGGCGATGGCAGCGGAGA  
AACGGGACCCGGACGAGTGGCGCCTGGAGAAGTACGTGGGAGCCCTAGAGGACATGTTGCAGGCCCTGAA  
GGTCCACGCGAGCAAACCGCCCTCTGAGGTGATCAATGAATATTCCTGGAAGGTGGATTTCTGAAGGGG  
ATGCTGCAAGCCGAGAAGCTGACCTCCTCCTCAGAGAAAGCACTGGCCAACCAGTTCCTGGCCCCCTGGCC  
GTGTGCCAACACAGCCAGAGAGCGAGTGCCCGCCACAAAGACGGTGCATCTGCAGTCACGGGCGCGGTA  
CACCAGCGAGATGCGGAGTGAGCTACTAGGCACGACTCTGCAGAGCCTGAGATGGACGTAAGGAAGAGA  
ACTGGAGTGGCAGGGTCCCAGCCAGTGAGTGAGAAGCAGTCGGCAGCTGAGCTAGACCTCGTCTGCAGC  
GACATCAGAACCTCCAGGAAAAGCTGGCGGAAGAGATGCTAGGACTGGCCCGGAGCCTCAAGACCAATAC  
CCTGGCCGCCAGAGTGTCAAGAAGGACAACCAGACCCTGTCACTCACTGAAAAATGGCGGACCAG  
AACCTGGAGAACTGAAGACGGAGTCAGAGCGTCTGGAGCAGCACACGCAGAAGTCAGTCAACTGGCTGC  
TCTGGCCATGCTCATTATCGTCTGCTTCATCTTCATTAGCATGATCCTTTCATTGCAATCATGCCTAA  
ACTCAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203318 representing NM\_018467  
 Red=Cloning site Green=Tags(s)

MAASRLELNLVRLLSRCEAMAAEKRPDPEWRLEKYVGALEDMLQALKVHASKPASEVINEYSWKVDFLKG  
 MLQAEKLTSSSEKALANQFLAPGRVPTTARERVPATKTVHLQSRARYTSEMRSELLGTDSAEPMDVRKR  
 TGVAGSQPVSEKQSAEELDLVLRHQNLQEKLAEEMLGLARSLKTNTLAAQSVIKKDNQTLSHSLKMADQ  
 NLEKLTESERLEQHTQKSVNWLLWAMLIIVCFIFISMILFIRIMPCLK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_018467

**ORF Size:** 777 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\\_018467.3](#)

**RefSeq Size:** 843 bp

**RefSeq ORF:** 780 bp

**Locus ID:** 55850

**UniProt ID:** [Q9NZ43](#)

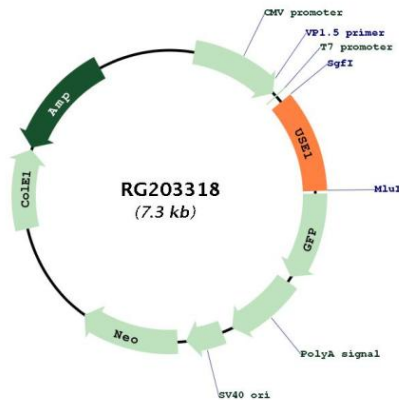
**Cytogenetics:** 19p13.11

**Protein Families:** Transmembrane

**Protein Pathways:** SNARE interactions in vesicular transport

**Gene Summary:** SNARE that may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG203318