

## Product datasheet for **RG202487**

### VPS25 (NM\_032353) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** VPS25 (NM\_032353) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** VPS25  
**Synonyms:** DERP9; EAP20; FAP20  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG202487 representing NM\_032353  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGATGAGTTTCGAGTGGCCGTGGCAGTATCGCTTCCACCCTTCTTTACGTTACAACCGAATGTGG  
 ACACTCGGCAGAAGCAGCTGGCCGCTGGTCTCGCTGGTCTGTCTTCTGCCGCTGCACAAACAGTC  
 CAGCATGACGGTATGGAAGCTCAGGAGAGCCCGCTTCAACAACGTCAGCTACAGCGAAAGCTTCT  
 GTGGAGTCGATCCAGATTGTATTAGAGGAAGTGGGAAGAAAGGAACTCGAGTGGTTGGATAAGAGCA  
 AGTCCAGCTTCTGATCATGTGGCGGAGGCCAGAAAGTGGGGAACTCATCTATCAGTGGGTTCCAG  
 GAGTGGCCAGAACAACCTCGTCTTTACCTGTATGAACTGACTAATGGGGAAGACACAGAGGATGAGGAG  
 TTCCACGGGCTGGATGAAGCCACTCTACTGCGGGCTCTGCAGGCCCTACAGCAGGAGCACAAAGCCGAGA  
 TCATCACTGTGAGCGATGGCCGAGGCGTCAAGTCTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG202487 representing NM\_032353  
 Red=Cloning site Green=Tags(s)

MAMSEFPWQYRFPFFTLQPNVDTRQQLAAWCSLVLSFCRLHKQSSMTVMEAQESPLFNNVKLQRKLP  
 VESIQIVLEELRKKGNLEWLDKSKSSFLIMWRRPEEWGKLIYQWVSRSGQNNVFTLYELTNGEDTEDEE  
 FHGLDEATLLRALQALQEQEHKAEIITVSDGRGVKFF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_032353

**ORF Size:** 528 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\\_032353.4](#)

**RefSeq Size:** 1122 bp

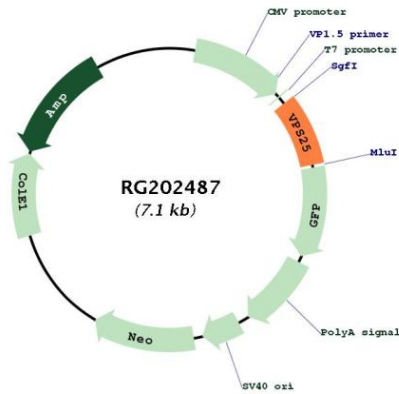
**RefSeq ORF:** 531 bp

**Locus ID:** 84313

**UniProt ID:** [Q9BRG1](#)

**Cytogenetics:** 17q21.2  
**Protein Families:** Transcription Factors  
**Protein Pathways:** Endocytosis  
**Gene Summary:** This gene encodes a protein that is a subunit of the endosomal sorting complex required for transport II (ESCRT-II). This protein complex functions in sorting of ubiquitinated membrane proteins during endocytosis. A pseudogene of this gene is present on chromosome 1. [provided by RefSeq, Jul 2013]

**Product images:**



Circular map for RG202487