

## Product datasheet for **MG206650**

### Vps16 (BC003944) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vps16 (BC003944) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vps16
Synonyms:	MGC7352
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206650 representing BC003944 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGTCAGGACCTTCGAGTGCTCAATGCTATTAGAGACTACCACATTGGGATCCCTCTCACCTACACCC  
AATACAAGCAGCTCACCATCCAGGTGCTGCTAGACAGGCTTGTGTTGCGGAGGCTTTATCCCCTGGCTAT  
CCAGATATGCGAGTACCTGCGCCTTCTGAAGTCCAGGGTGTGAGCAGGATCCTAGCCACTGGGCCTGC  
TACAAGGTGCAGCAGAAAGATGTCTCAGATGAAGATGTAGCACGGCTATTAATCAGAAGCTGGGTGACA  
CGCCTGGTGTTCATACTCTGACATTGCTGCGAGGGCCTATGGCTGTGGCCGACTGAACCTGGCCATTAA  
GCTGCTGGAGTATGAGCCACGCTCAGGGGAGCAGGTACCTCTTCTCTAAAGATGAAGAGGAGCAAAGT  
GCACTGAGCAAGGCTATTGAGAGTGGAGACACTGACCTGGTGTTCACGTGTTGCTGCACCTAAAGAATG  
AACTCAACCGAGGAGACTTTTTCATGACTCTCCGGAACCAACCCATGGCCCTGAGTTTGTATCGACAGTT  
CTGTAAGCATCAGGAGCTAGACACTCTGAAGGACCTTTACAATCAGGACGACAATCACCAGGAGTTGGGC  
AGCTTCCACATCAGAGCCAGCTATGCCGCTGAAGAGCGTATTGAAGGGCAGTGGCAGCTCTGCAGACGG  
CAGCTGATGCCTTCTACAAAGCCAAGAATGAATTTGCAGCCAAGGCCACAGAGGATCAAATGAGGCTCCT  
GCGGATACAGCGACGCCCTAGAGGATGAGCTAGGGGGCAGGTTCTAGACCTATCTCTACACGACACTGTC  
ACCACTTTATCCTTGGAGGCCACAACAAGCGGGCAGAGCAGCTGGCACGTGACTTTCCGATCCCTGATA  
AGAGACTATGGTGGTTAAAGCTGGCTGCCCTGGCAGATTTGGAAGATTGGGAGGAGCTGGAGAAAGTTTTC  
CAAAAGCAAGAAATCACCATTGGTTACCTGCCCTTTGTAGAGATCTGCATGAAACAGCATAAACAACAT  
GAGGCCAAGAAGTATGCTTCCCCTGTGGCCCTGAACAAAAGGTCAAGGCTTTGCTTCTGTTGGGGATG  
TGGCTCAGGCTGCAGAGGTGGCTATTGAGCACCGAATGAAACAGAGCTGAGCCTCGTTTTGTCCCCTG  
CACTGGAGCCACAGATGGGGCCATAGCTGACAAGATTCAGCGGGCCAGGGCACAAGCCAGAAGAAG

**ACGGTACGGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206650 representing BC003944  
 Red=Cloning site Green=Tags(s)

MCQDLRVLNAIRDYHIGIPLTYTQYKQLTIQVLLDRLVLRRLYLPLAIQICEYLRLPEVQGVSRILAHWAC  
 YKVOQKDVSDDEVARAINQKLGDTGPGVSYSDIAARAYGCGRTELAIKLLEYEPRSGEQVPLLLKMKRSKL  
 ALSKAIESGDTDLVFTVLLHLKNELNRGDFMTLRNQPMALSLYRQFCKHQELDTLKDLYNQDDNHQELG  
 SFHIRASYAAEERIEGRVAALQTAADAFYKAKNEFAAKATEDQMRLRLRIQRRELEDELGGRFLDSLHDTV  
 TTLILGGHNKRAEQLARDFRIPDKRLWKLKLAALADLEWEELEKFSKSKKSPIGYLPPFVEICMKQHKNH  
 EAKKYASRVGPEQKVKALLLVGDVAQAAEVAIEHRNETELSLVLSHCTGATDGAIADKIQRARAQAQKK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC003944

**ORF Size:** 1259 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:** [BC003944](#), [AAH03944](#)

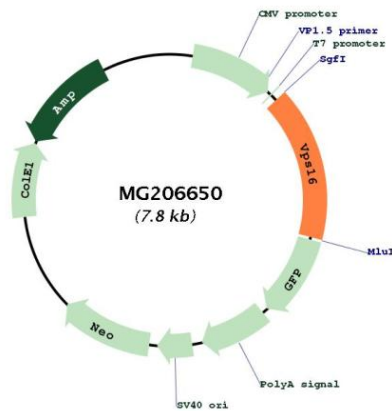
**RefSeq Size:** 1557 bp

**RefSeq ORF:** 1259 bp

**Locus ID:** 80743

**Cytogenetics:** 2 F1

**Product images:**



Circular map for MG206650