

## Product datasheet for **RG237843**

### VPS36 (NM\_001282168) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VPS36 (NM_001282168) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VPS36
Synonyms:	C13orf9; CGI-145; EAP45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237843 representing NM_001282168. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGACCGCTTCGTTGGACCAGCGCCTCCTGGAGATCAACGAGACCCTGGTATCCAGCAGCGCGGG
ATAAAATTTGATGCTGGGACTCTCCTTCTAGTACACCCGACTGATTTGGAGAGATCAGAAAAATCAT
GAGTGTTCATGGCCATTCTCCTTTCCCAAATTGTGTTTCATTGAAGAACAGGCGGCTGGAATTGGGAAG
AGTGCCAAAATAGTGGTTCATCTTCACCCAGCTCCTCCTAACAAAGAACCTGGCCATTCCAGAGTAGT
AAGAACTCTACATCAAACCTCCTTCAAAGAACATGGCCAGATTGAGTTTTACAGCGCTTATCAGAG
GAAATGACACAAAAGAAGATGGGAGAATATGCCAGTTTCCAGTCATTACAAACAAATAGAGGACCCAG
CCAGGAAGAATAAGGGCTGTAGGAATTGTAGGTATTGAAAGGAAACTGGAAGAAAAAGAAAAGAACT
GACAAAAACATTTCTGAGGCCTTTGAAGACCTCAGCAAATAATGATCAAGGCTAAGGAAATGGTGGAA
TTATCAAATCAATTGCTAATAAAATTAAGACAAACAAGGTGACATCACAGAAGATGAGACCATCAGG
TTTAAATCCTACTTGCTGAGCATGGGAATAGCTAACCCAGTTACCAGAGAAACCTACGGCTCAGGCACA
CAGTACCACATGCAGCTGGCCAAACAACCTGGCTGGAATATTGCAGGTGCCTTTAGAGGAACGAGGGGGA
ATAATGCACTCACGGAGGTGTACTGCTTAGTAAACCGAGCTCGAGGAATGGAATTGCTCTCACCAGAA
GATTTAGTGAATGCGTGAAGATGCTGGAAGCACTGAAATTACCTCTCAGGCTCCGTGTGTTTGACAGT
GGCGTCATGGTAATTGAGCTTCAGTCTACAAGGAAGAGGAAATGGTGGCCTCGGCCCTGGAGACAGTT
TCAGAAAAGGGATCCCTAACATCAGAAGAGTTTGCTAAGCTTGTGGAATGTCTGTCTCCTCCGCAAA
GAAAGTTGCTGCTTGCAGAGAAGATGGGCCATCTTTGCCGTGATGACTCAGTGAAGGCCTGCGTTTT
TACCCAAATTTATTTATGACACAGAGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237843  
 Blue=ORF Red=Cloning site Green=Tag(s)

MDRFVWTSGLLEINETLVIQQRGIKFDAGTLLSTHRLIWRDQKNHECCMAILLSQIVFIEEQAAGIGK  
 SAKIVVHLHPAPPNKEPGPFQSSKNSYIKLSFKEHGQIEFYRRLSEMTQRRWENMPVSQLQTNRGPQ  
 PGRIRAVGIVGIERKLEEKRKETDKNISEAFEDLSKLMIKAKEMVELSKSIANKIKDKQGDITETIR  
 FKSYLLSMGIANPVYTRETYGSGTYQHMLAKQLAGILQVPLEERGGIMSLTEVYCLVNRARGMELLSPE  
 DLVNACKMLEALKLPLRLRVFDSGVMVIELQSHKEEMVASALETYSEKGLTSEEFAKLVGMSVLLAK  
 ERLLLAEKMGHLCRDDSVLEGRFYPNLFMTQS  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001282168

**ORF Size:** 1131 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.

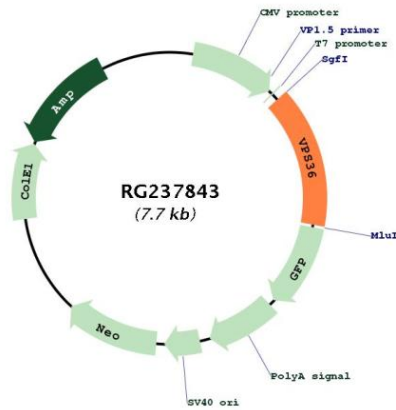
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001282168.2](#)

**RefSeq Size:** 4446 bp

RefSeq ORF:	1134 bp
Locus ID:	51028
Cytogenetics:	13q14.3
Protein Families:	Transcription Factors
Protein Pathways:	Endocytosis
MW:	43.2 kDa
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 similar protein complex in rat is associated with RNA polymerase elongation factor II. [provided by RefSeq, Aug 2013]

**Product images:**



Circular map for RG237843