

## Product datasheet for **MR218668**

### Vps37d (NM\_177574) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Vps37d (NM\_177574) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Vps37d  
**Synonyms:** Wbscr24  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR218668 representing NM\_177574  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTACCGGGCCCGGGCGCGGGCGGGGCCGGAGCCCGGCAGCCCGGGCGCTTTGGGATCCTCAGCA  
CCGGGCAGCTCCGGGATCTGCTTCAAGATGAGCCCAAGCTGGACCGGATCGTGCGGCTCAGCAGGAAGGT  
CCAGATGGAGCAGCTGCTGCTGGGGAAACAGAGCCTGGAGGCTTCTGCCAGCCTTCCAGAGGGGCCGT  
GCCCTGGCCACCTGAGGCGGACACAGGCCGAGAACTACAGGAGGTGCTGAGGCGTCGAGAGCGCTCTG  
CCCAGCCGGCCCCACAAGTCTGCTGCTGCTGCCGCCGCCACCGCCATGGATCCCCCAAACCTT  
CCCTGCTGCTGCCGTCTGCCACTGGGGCCGCCCGGGACCACCTCCAGCAGTACCCCGGAGCCTGCC  
CCCTTGACTCCCGCCAGTGCCCCAGTGAAGGGCTCTCCCGGTGCCCTTTGGCCAGCCCTTTG  
TGAGCCCTCGACCCTCTCAGCCTGAACCCCTCATCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR218668 representing NM\_177574  
Red=Cloning site Green=Tags(s)  
MYRARAARAGPEPGSPGRFGILSTGQLRDLLQDEPKLDIVRLSRKVQMEQLLLGEQSLEAFLPAFQRGR  
ALAHLLRRTQAEKLQEVLRRRERSAQPAPTTAAAAAATAMDPPKPFPAAVLPTGAARPPPAVPRSLP  
PLDSRPVPPVKGSPGCPFGPAPLLSPRPSQPEPPHR

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

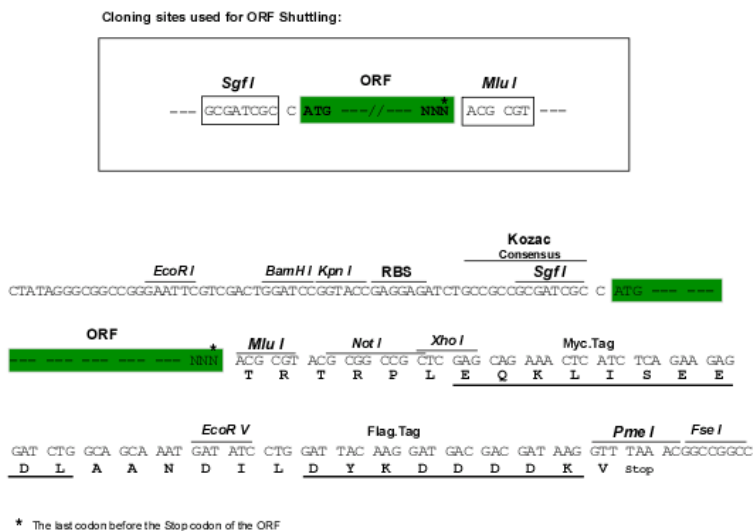
**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9053\\_e04.zip](https://cdn.origene.com/chromatograms/mm9053_e04.zip)



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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_177574

**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\\_177574.4](#), [NP\\_808242.1](#)

**RefSeq Size:** 1306 bp

**RefSeq ORF:** 531 bp

**Locus ID:** 194309

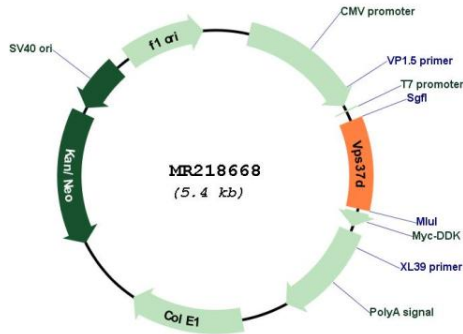
**UniProt ID:** [Q81010](#)

Cytogenetics: 5 G2

MW: 18.8 kDa

Gene Summary: Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies. May be involved in cell growth and differentiation (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR218668