

## Product datasheet for MR215763

### Vps37a (NM\_033560) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vps37a (NM_033560) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vps37a
Synonyms:	2210018P21Rik; 4930592A21Rik; AW261445; D8Ertd531e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215763 representing NM_033560 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTGGCTCTTCCCTGGCGAAGAGCGCGTCATCCTCCGCGGCTGGGTCCCTGCCGGCCTCACCA  
GTCTCCAGCAGCAGAAGCAGCGGCTGATCGAGTCACTCCGGAACCCATTCCAGTATAGCTGAAATACA  
AAAAGATGTGGAATACAGATTGCCATTCACAGTAAACAACCTGACAATTAACATTAATATATTACTTCT  
CCACAGTTTCTCAGGAAAAGCCAGTGATTAGTGTATCCGCAATCAGACATCATTAATGGATAGTC  
AAGGATTATATGTACCTCTCCATTAGTAAGCAATTTACAATGCACTCAGATCTTGAAAAATTATTCA  
AAGTCTTTGGATGAGTTCTGGAAGAATCCTCCAGTTTTAGCTCCTACTTCAACAACATTTCCATACCTG  
TATAGTAATCCAGGTGGGATGCCTCCGTACCCCTCCCAGGGGTTCCATTTCTTCTCCATATCCTCCAC  
CAGAAGCTAACAGGAATATCACATCCTGTGTAGCTGACACTGTTTCTTCAACCACAAGTTACAC  
TGCAGCTAAGCCCGTGGCGCCTTCATTTGGCATCCTTTCAAGTCTGCCATTACCAGTTCCCAACTGAA  
TCTTCAGCATCGTTAACCAAAATGTTTTGGTTATAAGATGCCGGATATTCCTGATGCATTTCCAGAAC  
TTTCAGAACTAAGTGTGTACAGCTCACAGATATGAATGAACAGGAGGAGGTATTACTAGAACAGTTTCT  
GATGTTGCCTCACTAAAACAAATTAATGACAAGGAAGACTTAGTAAAAATATCGAGGAATTAGCA  
AGAAAAATCTCCTTTTGAACATAGCTTGAAGGCAAAAGGCAACCGTTTTAGATAAGTATGAATTAC  
TTCTACAAATGAAATCTACCTTTGAAAAGAAGATGCAAAGGCAACATGAACTCAGTGAGGTTGTAGTGC  
AAGTGCTACAGGCAAGATTGAAAGTAGCTGCACACGAAGCTGAGGAAGAATCGGATAATATTGCTGAA  
GACTTCTTGAGGGAAAACTGAAATAGATGATTTTCTCAATAGCTTCAAGGAAAAGAGAACAATTTGCC  
ACTGTAGAAGAGCTAAAGAAGAGAAGCTTCACCAGGTGATAGCGATGCACAGCCAATTTTCATGCTCCTCT  
C

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR215763 representing NM\_033560  
 Red=Cloning site Green=Tags(s)

MSWLFPLAKSASSSAAGSPAGL TSLQQKQRLIESLRNSHSSIAEIQKDVEYRLPFTVNNLTININILLP  
 PQFPQEKPVISVYPIRHHLMDSQGLYVTSPLVSNFTMHS DLGKIIQSLLEDFWKNPPVLAPTSTTFPYL  
 YSNPGGMPPYPSQGFPLPPYPPPEANRNITSLVADTVSSSTTSYTAAPVAPSF GILSSLPLPVPTTE  
 SSASVNQNGFGYKMPDIPDAFPELSEL SVS QLTDMNEQEEV LLEQFLMLPQLKQIITDKEDLVKNIEELA  
 RKNLLLEHSLEGKRQTVLDKYELLLQMKSTFEKKMQRQHELSESCSASALQARLKVA AHEAEEESDNIAE  
 DFLEGKTEIDDFLNSFKEKRTICHCRRAKEEKLHQVIAMHSQFHAPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_033560

**ORF Size:** 1191 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\\_033560.3](#), [NP\\_291038.2](#)

**RefSeq Size:** 6379 bp

**RefSeq ORF:** 1194 bp

**Locus ID:** 52348

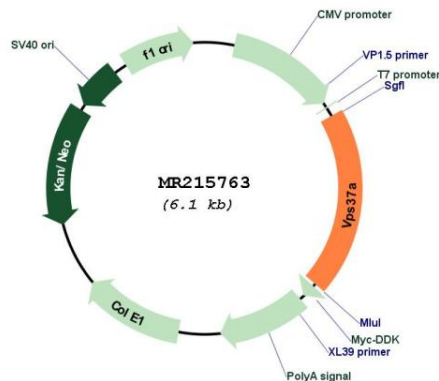
**UniProt ID:** [Q8CHS8](#)

**Cytogenetics:** 8 23.89 cM

**MW:** 44.9 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 MR215763