

## Product datasheet for **MR210699**

### Vps8 (BC032214) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | Vps8 (BC032214) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                |
| Symbol:                   | Vps8                                   |
| Synonyms:                 | mKIAA0804, MGC38232                    |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | pCMV6-Entry (PS100001)                 |
| E. coli Selection:        | Kanamycin (25 ug/mL)                   |



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**ORF Nucleotide  
Sequence:**

>MR210699 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGGACTTAATTGTTCAATTTCCAAGATAAAAACTGCTGGAGAATGTGGAAGCCCTCATTGTCCACA  
 TGGACATCACCAGCCTCGACATTCAGCAGGTGGTCTCATGTGTTGGGAGAATCGTCTGTATGACGCCAT  
 GGTCTATGTCTACAACCGAGGCATGAATGAGTTTATCAGTCCGATGGAGAAGCTTTTCAAAGTCATCGCC  
 CCACCTCTGAATGCAGGGAAGACTCTTACAGATGAGCAAGTTGTTATGGGCAACAAGCTTCTGGTGTACA  
 TCAGCTGTTGCCTGGCAGGTCGTGCCTACCCTCTCGGTGACATTCCTGAAGATCTTGTTCCCTTGGTTAA  
 AAACCAGGTTTTGAGTTTCTGATTGCGCTGCATTCTGTAGAAGCATCCTCCGAGGAAGAAGTCTATCCT  
 TATGTTCCGACTTTGCTACATTTTGACACAAGAGAATTTCTGAATGTGCTGGCACTGACCTTTGAAGACT  
 TAAAAATGATAAGCAAGCTGTGAATACCAGCAGCGCATTGTGGATATTTTATTGAAGTTATGGTGA  
 GAATTCAGATTTTACCCGTCACAAGTGGGGTGTCTTTACGTTCTCGCTCGCTCAGCTCGCAAAGCCT  
 GACAATACCTTGTTTGTGAACAGGACCCTTTTGATCAAGTCTCGAGTTCCTCTGTAGCCCCGACGATG  
 ACTCCCGCCACTCTGAAAGACAGCAGGTCCTTTTGAATTGCTGCAGGCCGAGGCATAGTTCAATTTGA  
 AGAGAGTCGGCTCATCCGCATGGCAGAAAAGGCAGAATTCATCAAATCTGTGAATTTATGTATGAGCGG  
 GAACACAGTATGACAAGATCATTGACTGCTACCTGCACGACCCATTGAGAGAGGAAGAAGTCTTCAATT  
 ATATCCACAACATCTTATCTATTCCTGGTCACAGTGTGAGGAGAAGCAGTCTGTGTGGCAGAAAAGCAAT  
 GAATCATATGGAGAACTTGTGTCCCTGAAGCCCTGCAAAGCCGAGAGCTGGTGGCTACTACTTTTCT  
 GAGCAGATCGAAGTGGTCAATGGACAGCTTCAAGACAGCTTTTGGCTTTTCAAATTTTGGAGAGTCTTC  
 TTGATCCAAGGGAAGGTGTTCAATGTCAATCAGGAGTTGCTGCAGATCCCGCCTCACATTACAGAGCAGTT  
 CATTGAGCTGCTGTGCCAGTTCAGTCTGACCAAGTCATACAGACTGCAGGTCCTTGAGTGTACCGT  
 CTGGAGAAACGATTAGATTACACAAAAGTATCAACTCCATGAAGTCACTGCGTATCTGCTGGAGAAGA  
 AAGGGGATGCACACGGCGCCTTCTGCTGCTGCTGGAGAGACTGCAGAGCAGGCTGCAAGAGATGACACG  
 GCAGGACGAAAATACCAAGGAGGACATCCTGCTGAAAGGTGTTGAAGATACCATGGTAGAGACAATTGCT  
 CTTTGCCAGAGAAATTCACAGAATTTGAATCAGCAGCAACGAGAGGCTCTATGGTTTCCACTGTTGGAGG  
 CAATGATGACACCACAGAAGCTGTCCAGCTCGGCTGCTGCTCCTCATCCGCACTGTGAAGCTCTGAAGTC  
 TTTGACCATGCAAGTCTAACAGCATGGCAGCGTTCATCGCCCTCCCGTCCATCCTACAGAGAATCTTG  
 CAGGACCCAATTTATGGAAAAGGAAAGCTTGGAGAAATCCAGGGCCTTATTCTGGGGATGCTGGACACCT  
 TCAACTATGAGCAAACCTTGCTAGAAAACAGCCAGCCTCCTGAACCAAGATCTCCATTGGTCACTGTG  
 TAACCTGAGAGCATCAGTATCCAGAGGACTCAATCCCAAGCAGGATTACTGTTCTATATGTTTACAGCAG  
 TACAAAAGACGCCAAGAAATGGCTGATGAAATTATTGTCTTTAGCTGTGGCCATTTGTATCATTCTTCT  
 GTCTCCAAAGTAAGGAATGCACCCTAGAGGTTGAGGGTGCAGCAGATGGGCGTGTACAAAATGCAGCTC  
 AAGTAATAAAGCGGGCAAACCTCAGTAAAAATCCTTCTGAAAACAAGAAAGGACGGATAACCTCGTCTCAG  
 GTAAAAATGTGCGCCCTCGTATCATCAGTCCAAAGGGATCCTCCCGCCAGGAAGGCAAACCTCAGAACCTG  
 TTCTGGACCCACAGCAAATGCAAGCCTTTGATCAGCTCTGCCGTCTCTACAGAGGAAGTTCTAGGTTGGC  
 TCTCCTTACGGAGCTCTCCAGAACCAGGTGGCGACAGCTGCAGGCCGTTTGTGGCCCCAGAGTGGG  
 CCTGCTTTCAACAGCGTCTTCCAGAAGGAGAATTCAGCTGCAGCTCGCGCCTCCGCTGTGGCTGAAG  
 AC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

&gt;MR210699 protein sequence

Red=Cloning site Green=Tags(s)

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MKDLIVHFQDKKLLLENVEALIVHMDITSLDIQQVVMCWENRLYDAMVYVYVNRGMNEFISPMKLFK VIA
PPLNAGKTLTDEQVVMGNKLLVYISCCLAGRAYPLGDIPEDLVPLVKNQVFEFLIRLHSVEASSEEEVYP
YVRTLLHFDTRFLNVLALTFEDFKNDKQAVEYQQRIVDILLKVMVENSDFTPSQVGLFTFLARQLAKP
DNTL FVNRTLFDQVLEFLCSPDDDSRHSE RQQVLELLQAGGIVQFEESRLIRMAEKA EFYQICEFMYER
EHQYDKIIDCYLHDPLREEEVFNYIHNILSIPGHSAAEEKQSVWQKAMNHMEELVSLKPKCAAELVATHFS
EQIEVVIIGQLQNQLLLFKFLRSLLDPREGVHVNQELLQIPPHITEQFIELLCQFSPDQVIQTLQVLECYR
LEETIQITQKYQLHEVTAYLLEKKGDAHGAFLLLLERLQSRLQEMTRQDENTKEDILLKGVEDTMVETIA
LCQRNSQNLNQQQREALWFPLLEAMMTPQKLSSSAAAPHPHCEALKSLTMQVLNSMAAFIALPSILQRIL
QDPIYGGKGLGEIQGLILGMLDTFNYEQTLETTASLLNQDLHWSLCNLRASVSRGLNPKQDYCSICLQQ
YKRRQEMADEIIVFSCGHL YHSFCLQSKECTLEVEGQTRWACHKCSSSNKAGKLS ENPSENKKG RITSSQ
VKMSPSYHQSGDPPARKANSEPVLDPQQMQAFDQLCRLYRGSSRLALLTELSQNRGGDSCRPFAGPQSG
PAFNSVFQKENFQLQLAPPPVAED
  
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC032214

**ORF Size:** 2382 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:** [BC032214](#), [AAH32214](#)

**RefSeq Size:** 3023 bp

**RefSeq ORF:** 2384 bp

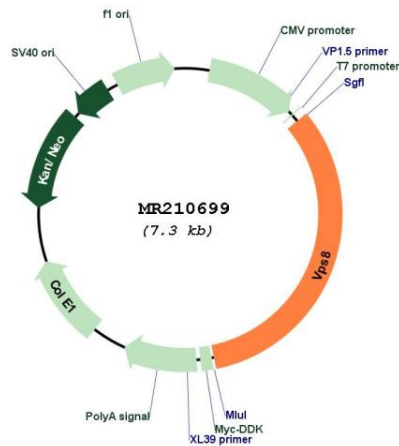
**Locus ID:** 209018

**Cytogenetics:** 16 B1

**MW:** 91 kDa

**Gene Summary:** Plays a role in vesicle-mediated protein trafficking of the endocytic membrane transport pathway. Believed to act as a component of the putative CORVET endosomal tethering complexes which is proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations. Functions predominantly in APPL1-containing endosomes (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR210699