

Product datasheet for **MG210699**

Vps8 (BC032214) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps8 (BC032214) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vps8
Synonyms:	mKIAA0804, MGC38232
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210699 representing BC032214
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGACTTAATTGTTCAATTTCCAAGATAAAAACTGCTGGAGAATGTGGAAGCCCTCATTGTCCACA
 TGGACATCACCAGCCTCGACATTCAGCAGGTGGTCTCATGTGTTGGGAGAATCGTCTGTATGACGCCAT
 GGTCTATGTCTACAACCGAGGCATGAATGAGTTTATCAGTCCGATGGAGAAGCTTTTCAAAGTCATCGCC
 CCACCTCTGAATGCAGGGAAGACTCTTACAGATGAGCAAGTTGTTATGGGCAACAAGCTTCTGGTGTACA
 TCAGCTGTTGCCTGGCAGGTCGTGCCTACCCTCTCGGTGACATTCCTGAAGATCTTGTTCCCTTGGTTAA
 AAACCAGGTTTTGAGTTTCTGATTGCGCTGCATTCTGTAGAAGCATCCTCCGAGGAAGAAGTCTATCCT
 TATGTTCCGACTTTGCTACATTTTGACACAAGAGAATTTCTGAATGTGCTGGCACTGACCTTTGAAGACT
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 GAATTCAGATTTTACCCGTCACAAGTGGGGTGTCTTTACGTTCTCGCTCGCTCAGCTCGAAAGCCT
 GACAATACCTTGTTTGTGAACAGGACCCTTTTGATCAAGTCTCGAGTTCCTCTGTAGCCCCGACGATG
 ACTCCCGCCACTCTGAAAGACAGCAGGTCCTTTTAGAATTGCTGCAGGCCGGAGGCATAGTTCAATTTGA
 AGAGAGTCGGCTCATCCGCATGGCAGAAAAGGCAGAATTCATCAAATCTGTGAATTTATGTATGAGCGG
 GAACACAGTATGACAAGATCATTGACTGCTACCTGCACGACCCATTGAGAGAGGAAGAAGTCTTCAATT
 ATATCCACAACATCTTATCTATTCCTGGTCACAGTGTGAGGAGAAGCAGTCTGTGTGGCAGAAAAGCAAT
 GAATCATATGGAGAACTTGTGTCCCTGAAGCCCTGCAAAGCCGAGAGCTGGTGGCTACTACTTTTCT
 GAGCAGATCGAAGTGGTCAATGGACAGCTTCAAGACAGCTTTTGGCTTTTCAAATTTTGGAGAGTCTTC
 TTGATCCAAGGGAAGGTGTTCAATGTCATCAGGAGTTGCTGCAGATCCCGCCTCACATTACAGAGCAGTT
 CATTGAGCTGCTGTGCCAGTTCAGTCTGACCAAGTCATACAGACTGCAGGTCCTTGAGTGTACCGT
 CTGGAGGAAACGATTAGATTACACAAAAGTATCAACTCCATGAAGTCACTGCGTATCTGCTGGAGAAGA
 AAGGGGATGCACACGGCGCCTTCTGCTGCTGCTGGAGAGACTGCAGAGCAGGCTGCAAGAGATGACACG
 GCAGGACGAAAATACCAAGGAGGACATCCTGCTGAAAGGTGTTGAAGATACCATGGTAGAGACAATTGCT
 CTTTGCCAGAGAAATCACAGAATTTGAATCAGCAGCAACGAGAGGCTCTATGGTTTCCACTGTTGGAGG
 CAATGATGACACCACAGAAGCTGTCCAGCTCGGCTGCTGCTCCTCATCCGCACTGTGAAGCTCTGAAGTC
 TTTGACCATGCAAGTCTAAACAGCATGGCAGCGTTCATCGCCCTCCCGTCCATCCTACAGAGAATCTTG
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 TCAACTATGAGCAAACCTTGCTAGAAAACACAGCCAGCCTCCTGAACCAAGATCTCCATTGGTCACTGTG
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 TACAAAAGACGCCAAGAAATGGCTGATGAAATTATTGCTTTAGCTGTGGCCATTTGTATCATTCTTCT
 GTCTCCAAAGTAAGGAATGCACCCTAGAGGTTGAGGGTCAAGCAGAGATGGGCGTGTACAAAATGCAGCTC
 AAGTAATAAAGCGGGCAAACCTCAGTAAAAATCCTTCTGAAAACAAGAAAGGACGGATAACCTCGTCTCAG
 GTAAAAATGTGCGCCCTCGTATCATCAGTCCAAAGGGGATCCTCCCGCCAGGAAGGCAAACCTCAGAACCTG
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 TCTCCTTACGGAGCTCTCCAGAACCAGGTTGGCGACAGCTGCAGGCCGTTTGTGGCCCCAGAGTGGG
 CCTGCTTTCAACAGCGTCTTCCAGAAGGAGAATTCAGCTGCAGCTCGCGCCTCCGCTGTGGCTGAAG
 AC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG210699 representing BC032214
Red=Cloning site Green=Tags(s)

MKDLIVHFQDKKLLLENVEALIVHMDITSLDIQQVVMCWENRLYDAMVYVYVNRGMNEFISPMKLFKLVIA
PPLNAGKTLTDEQVVMGNKLLVYISCCLAGRAYPLGDIPEDLVPLVKNQVFEFLIRLHSVEASSEEEVYP
YVRTLLHFDTRFLNVLALTFEDFKNDKQAVEYQQRIVDILLKVMVENSDFTPSQVGCLFTFLARQLAKP
DNTL FVNRTLFDQVLEFLCSPDDDSRHSEKQVLELLQAGGIVQFEESRLIRMAEKAIFYQICEFMYER
EHQYDKIIDCYLHDPLREEEVFNFIHNILSIPGHSAAEEKQSVWQKAMNHMEELVSLKPKCAAELVATHFS
EQIEVVIQQLQNQLLLFKFLRSLLDPREGVHVNQELLQIPPHITEQFIELLCQFSPDQVIQTLQVLECYR
LEETIQITQKYQLHEVTAYLLEKKGDAHGAFLLLLERLQSRLQEMTRQDENTKEDILLKGVEDTMVETIA
LCQRNSQNLNQQQREALWFPLLEAMTPQKLSSSAAAPHPHCEALKSLTMQVLNSMAAFIALPSILQRIL
QDPIYGGKGLGEIQGLILGMLDTFNYEQTLETTASLLNQDLHWSL CNLRASVSRGLNPKQDYCSICLQQ
YKRRQEMADEIIVFSCGHL YHSFCLQSKECTLEVEGQTRWACHKCSSSNKAGKLSNPSENKKGKITSSQ
VKMSPSYHQSKGDPARKANSEPVLDPQQMQAFDQLCRLYRGSSRLALLTELSQNRGGDSCRPFAGPQSG
PAFNSVFQKENFQLQLAPPPVAED

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC032214

ORF Size: 2384 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

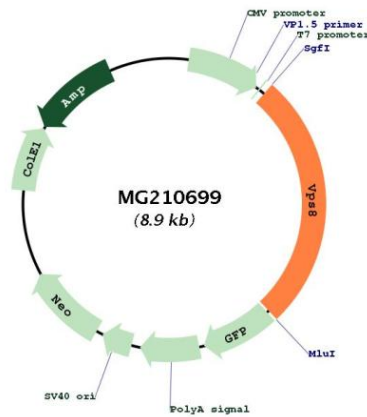
RefSeq ORF: 2384 bp

Locus ID: 209018

Cytogenetics: 16 B1

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 MG210699