

Product datasheet for **MG211306**

Vps8 (BC023914) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps8 (BC023914) 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:

>MG211306 representing BC023914
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGATCTCGAAGTCCAGCTGGTCTACAACAGCAGCCACTTCAAGTCATTGGCCACGGGAGGAAATG
 TTAGCCAGGCCCTGGCTTTGGTTGGAGAGAAGGCTTGCTACCAATCCATCAGTAGCTATGGAGGACAGAT
 CTTCTATCTGGGGACCAAGTCTGTGTACGTGATGATGCTGAGAAGCTGGAGGGAGAGGATGGACCATCTC
 CTGAAACAGGATTGCCTTACGGAAGCCTTGGCCCTCGCGTGGTCTTTTCATGAAGGAAAGGCAAAAGCAG
 TAGTGGGGCTATCGGGGATGTCAGCAAGAGGAAGGCTGTTGTTGCTGATCGGATGGTAGAGATCCTGTT
 CCATTATGCAGATCGGGCTCTGAAAAAGTGCCCGGACCAGGGGAAAAATCCAAGTATGGAGCAACACTTT
 CAGGATACGGTGCAGTCATAGTGGACTACTGCCTTCTGCTCCAGCGAAAGGATCTTCTATTTGGTCAA
 TGTACGACAAATTAAGTAAAAATCCGTCGAAAAGGCGTGTGTTGGAGTGCCTTGAGCCATATATCTT
 AAGTGATAAACTGGTGGGATTACTCCCAGGTCATGAAGGACTTAATTGTTCAATTCAGATAAAAA
 CTGCTGGAGAATGTGGAAGCCCTCATTGTCACATGGACATCACAGCCTCGACATTCAGCAGGTGGTCC
 TCATGTGTTGGGAGAATCGTCTGTATGACGCCATGGTCTATGTCTACAACCGAGGCATGAATGAGTTTAT
 CAGTCCGATGGAGAAGCTTTCAAAGTCATCGCCCCACCTCTGAATGCAGGGAAGACTCTTACAGATGAG
 CAAGTTGTTATGGGCAACAAGCTTCTGGTGTACATCAGCTGTTGCCTGGCAGGTCGTGCCTACCCTCTCG
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 TTTCTGAATGTGCTGGCACTGACCTTTGAAGACTTTAAAAATGATAAGCAAGCTGTGAAATACCAGCAGC
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 CTTTACGTTCTCGCTCGTCAGCTCGCAAAGCCTGACAATACCTTGTGTTGTGAACAGGACCCTCTTTGAT
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 CACGACCCATTGAGAGAGGAAGAAGTCTTCAATTATATCCACAACATCTTATCTATTCTGGTCAAGT
 CTGAGGAGAAGCAGTCTGTGTGGCAGAAAGCAATGAATCATATGGAGGAACCTGTGTCCCTGAAGCCCTG
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 CAGCTTTTGTCTTTCAAATTTTGAAGAGTCTTCTTGATCCAAGGGAAGGTGTTCAATGCAATCAGGAGT
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 CTCCATGAAGTCACTGCGTATCTGCTGGAGAAGAAAGGGGATGCACACGGCGCCTTCTGCTGCTGCTGG
 AGAGACTGCAGAGCAGGCTGCAAGAGATGACACGGCAGGACGAAAATACCAAGGAGGACATCCTGCTGAA
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 CAACGAGAGGCTCTATGGTTTCCACTGTTGGAGGCAATGATGACACCACAGAAGCTGTCCAGCTCGGCTG
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 GTCAGACGAGATGGGCGTGTACAAAATGCAGCTCAAGTAAAGCGGGCAAACTCAGTAAAAATCCTTC
 TGAAAACAAGAAAGGACGGATAACCTCGTCTCAGGCAAACTCAGAACCTGTTCTGGACCCACAGCAAATG
 CAAGCCTTTGATCAGCTCTGCCGTCTACAGAGGAAGTCTAGGAGAGCAAGCCGGAAGCCTATTTCT
 CCTTCAGAAGGCCATCCTGTATATCTGAGACTGCCAAGCCTGCCCTACAGCCAGCCCCCCTCCACATC
 TGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211306 representing BC023914
 Red=Cloning site Green=Tags(s)

MEISEVQLVYNSSHFKSLATGGNVSQALALVGEKACYQSISSYGGQIFYLGTKSVMMLRSWRERMDHL
 LKQDCLTEALALAWSFHEGKAKAVVGLSGDVSKRKA VVADMVEILFHYADRALKKCPDQGIQVMEQHF
 QDTPVPIVDYCLLLQRKDLLFGQMYDKLSENSVAKGVFLECLEPYILSDKLVGITPQVMKDLIVHFQDKK
 LLENVEALIVHMDITSLDIQQVVMCWEENRLYDAMVYVYNRGMNEFISPMKELFKVIAPPLNAGKLTDE
 QVVMGNKLLVYISCLLAGRAYPLGDIPEDLVPLVKNQVF EFLIRLHSVEASSEEEVYPYVRTLLHFDTRE
 FLNVLALTFEDFKNDKQAVEYQQRIVDILLKVMVENSDFTPSQVGCLFTFLARQLAKPDNTLFVNRTLFD
 QVLEFLCSPDDDSRHSERQQVLELLQAGGIVQFEESRLIRMAEKAEFYQICEFMYEREHQYDKIIDCYL
 HDPLREEEVFNVIHNILSIPGHSAAEKQSVWQKAMNHMEELVSLKPKAAELVATHFSEQIEVVIGLQON
 QLLLKFKFLRSLDPREGVHVNQELLQIPPHITEQFIELLCQFSPDQVIQTLQVLECYRLEETIQITQKYQ
 LHEVTAYLLEKKGAHGAFLLLLERLQSRLEQEMTRQDENTKEDILLKGVEDTMVETIALCQRNSQNLNQQ
 QREALWFPLLEAMMTPQKLSSSAAAPHPHCEALKSLTMQVLNSMAAFIALPSILQRILQDPYIGKGLGE
 IQGLILGMLDTFNYEQTLLLETTASLLNQDLHWSLCNLRASVSRGLNPKQDYCSICLQOYKRRQEMADEII
 VFSCGHLYHSFCLQSKECTLEVEGQTRWACHKCSSENKAGKLSNPSENKKGKITSSQANSEPVLDPQQM
 QAFDQLCRLYRGSRRASRKPISSFRPSCISETAKPALQPAPPSTSA

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

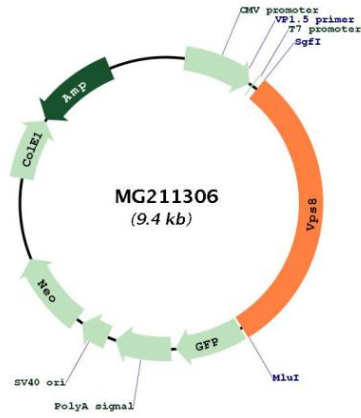


ACCN: BC023914

ORF Size: 2876 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:	<ol style="list-style-type: none">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:	BC023914 , AAH23914
RefSeq Size:	3383 bp
RefSeq ORF:	2876 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 MG211306