

Product datasheet for **MR211306**

Vps8 (BC023914) Mouse Tagged ORF Clone

Product data:

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

>MR211306 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGATCTCGAAGTCCAGCTGGTCTACAACAGCAGCCACTTCAAGTCATTGGCCACGGGAGGAAATG
 TTAGCCAGGCCCTGGCTTTGGTTGGAGAGAAGGCTTGCTACCAATCCATCAGTAGCTATGGAGGACAGAT
 CTTCTATCTGGGACCAAGTCTGTGTACGTGATGATGCTGAGAAGCTGGAGGGAGAGGATGGACCATCTC
 CTGAAACAGGATTGCCTTACGGAAGCCTTGGCCCTCGCGTGGTCTTTTCATGAAGGAAAGGCAAAAGCAG
 TAGTGGGGCTATCGGGGATGTCAGCAAGAGGAAGGCTGTTGTTGCTGATCGGATGGTAGAGATCCTGTT
 CCATTATGCAGATCGGGCTCTGAAAAAGTGCCCGGACCAGGGGAAAAATCCAAGTATGGAGCAACACTTT
 CAGGATACGGTGCAGTCATAGTGGACTACTGCCTTCTGCTCCAGCGAAAGGATCTTCTATTTGGTCAA
 TGTACGACAAATTAAGTAAAAATCCGTCGAAAAGGCGTGTGTTGGAGTGCCTTGAGCCATATATCTT
 AAGTGATAAACTGGTGGGATTACTCCCAGGTCATGAAGGACTTAATTGTTCAATTCGAAGATAAAAA
 CTGCTGGAGAATGTGGAAGCCCTCATTGTCACATGGACATCACAGCCTCGACATTCAGCAGGTGGTCC
 TCATGTGTTGGGAGAATCGTCTGTATGACGCCATGGTCTATGTCTACAACCGAGGCATGAATGAGTTTAT
 CAGTCCGATGGAGAAGCTTTCAAAGTCATCGCCCCACCTCTGAATGCAGGGAAGACTCTTACAGATGAG
 CAAGTTGTTATGGGAACAAGCTTCTGGTGTACATCAGCTGTTGCCTGGCAGGTCGTGCCTACCCCTCG
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 CATAACAGACACTGCAGGTCTTGTAGTGCTACCGTCTGGAGGAAACGATTGAGATTACACAAAAGTATCAA
 CTCCATGAAGTCACTGCGTATCTGCTGGAGAAGAAAGGGGATGCACACGGCGCCTTCTGCTGCTGCTGG
 AGAGACTGCAGAGCAGGCTGCAAGAGATGACACGGCAGGACGAAAATACCAAGGAGGACATCCTGCTGAA
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 CAAGCCTTTGATCAGCTCTGCCGTCTACAGAGGAAGTCTAGGAGAGCAAGCCGGAAGCCTATTTCT
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 ACAAGGATGACGACGATAAGGTTTAA

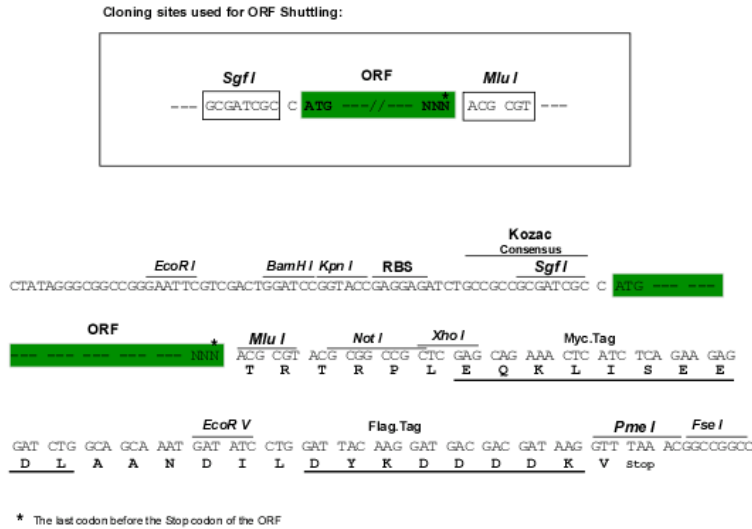
Protein Sequence: >MR211306 protein sequence
 Red=Cloning site Green=Tags(s)

MEISEVQLVYNSSHFKSLATGGNVSQALALVGEKACYQSISSYGGQIFYLGTKSVYVMMRLSWRERMDHL
 LKQDCLTEALALAWSFHEGKAKAVVGLSGDVSKRKAVVADMVEILFHYADRALKKCPDQGIQVMEQHF
 QDTPVPIVDYCLLLQRKDLLFGQMYDKLSENSVAKGVFLECLEPYILSDKLVGITPQVMKDLIVHFQDKK
 LLENVEALIVHMDITSLDIQQVVMCWEENRYDAMVYVYVNRGMNEFISPMKLFKVIAPPLNAGKTLTDE
 QVVMGNKLLVYISCCLAGRAYPLGDIPEDLVPLVKNQVFVFLIRLHSVEASSEEEVYPYVRTLLHFDTRE
 FLNVLALTFEDFKNDKQAVEYQQRIVDILLKVMVENSDFTPSQVGCLFTFLARQLAKPDNTLFVNRTLFD
 QVLEFLCSPDDDSRHSERQQVLELLQAGGIVQFEESRLIRMAEKAEFYQICEFMYEREHQYDKIIDCYL
 HDPLREEEVFNIIHNLSIPGHSAAEKQSVWQKAMNHMEELVSLKPKAAELVATHFSEQIEVVIGLQON
 QLLLKFKFLRSLDDPREGVHVNQELLQIPPHITEQFIELLCQFSPDQVIQTLQVLECYRLEETIQITQKYQ
 LHEVTAYLLEKKGAHGAFLLLLERLQSRLEQMETRODENTKEDILLKGVEDTMVETIALCQRNSQNLNQ
 QREALWFPLLEAMMPQKLSSSAAAPHPCALKSLTMQVLNSMAAFIALPSILQRILQDPYIGKGLGE
 IQGLILGMLDTFNYEQTLLLETTASLLNQDLHWSLCNLRASVSRGLNPKQDYCSICLQYKRRQEMADEII
 VFSCGHLVHSFCLQSKECTLEVEGQTRWACHKCSSSNKAGKLENSPENKKGKITSSQANSEPVLDPQQM
 QAFDQLCRLYRGSRRASRKPISFRPSCISETAKPALQPAPPSTSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC023914
 ORF Size: 2874 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
MW:	109.5 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]

