

Product datasheet for **RG201164**

VAPA (NM_194434) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VAPA (NM_194434) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VAPA
Synonyms:	hVAP-33; VAMP-A; VAP-33; VAP-A; VAP33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201164 representing NM_194434 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCCGCCTCAGGGGCCATGGCGAAGCACGAGCAGATCCTGGTCCTCGATCCGCCACAGACCTCA
AATTCAAAGGCCCTTCACAGATGTAGTCACTACAAATCTTAAATTGCGAAATCCATCGGATAGAAAAGT
GTGTTTCAAAGTGAAGACTACAGCACCTCGCCGTAAGTGTGTGAGGCCAACAGTGAATTATTGACCCA
GGGTCAACTGTGACTGTTTCAGTAATGCTACAGCCCTTTGACTATGATCCGAATGAAAAGAGTAAACACA
AGTTTATGGTACAGACAATTTTTGCTCCACCAACACTTCAGATATGGAAGCTGTGTGAAAGAGGCAAA
ACCTGATGAATTAATGGATTCCAAATTGAGATGGTATTTGAAATGCCCAATGAAAATGATAAATTGAAT
GATATGGAACCTAGCAAAGCTGTTCACATGAATGCATCTAAGCAAGATGGACCTATGCCAAAACACACA
GTGTTTCACTTAATGATACCGAAACAAGGAACTAATGGAAGAGTGTAAAAGACTTCAGGGAGAAATGAT
GAAGCTATCAGAAGAAAATCGGCACCTGAGAGATGAAGGTTTAAAGGCTCAGAAAGGTAGCACATTCGGAT
AAACCTGGATCAACCTCAACTGCATCCTTCAGAGATAATGTCACCAGTCTCTTCTTCACTTCTTGTG
TAATTGCAGCCATTTTCATTGGATTCTTCTAGGGAAATTCATCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201164 representing NM_194434
 Red=Cloning site Green=Tags(s)

MASASGAMAKHEQILVLDPPTDLKFKGPFTDVVTTNLKLRNPSDRKVCVKVKTAPRRYCVRPNSGIIDP
 GSTVTVSVMLQPFDYDPNEKSKHKFMVQTI FAPPNTSDMEAVWKEAKPDELMDSKLRVCFEMPENNDKLN
 DMEPSKAVPLNASKQDGPMPKPHSVSLNDTETRKLMEECKRLQGEMMKLSEENRHLRDEGLRLRKVAHSD
 KPGSTSTASFRDNVTSPLPSLLVVIAAIFIGFFLGKFIL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_194434

ORF Size: 747 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_194434.3](#)

RefSeq Size: 6859 bp

RefSeq ORF: 750 bp

Locus ID: 9218

UniProt ID: [Q9P0L0](#)

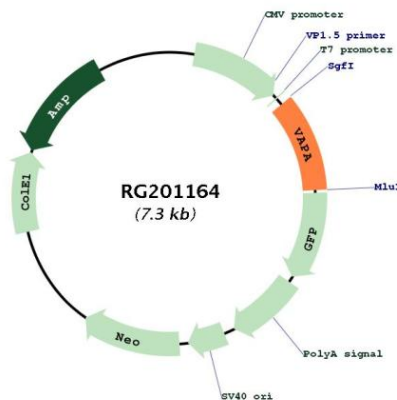
Cytogenetics: 18p11.22

Protein Families: Transmembrane

Protein Pathways: Tight junction

Gene Summary: The protein encoded by this gene is a type IV membrane protein. It is present in the plasma membrane and intracellular vesicles. It may also be associated with the cytoskeleton. This protein may function in vesicle trafficking, membrane fusion, protein complex assembly and cell motility. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201164