

Product datasheet for **RG230940**

VAPB (NM_001195677) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VAPB (NM_001195677) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: VAPB
Synonyms: ALS8; VAMP-B; VAP-B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG230940 representing NM_001195677
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAAGGTGGAGCAGGTCCTGAGCCTCGAGCCGAGCAGAGCTCAAATCCGAGGTCCTTCACCG
ATGTTGTCACCACCAACCTAAAGCTTGGCAACCCGACAGACCGAAATGTGTGTTTAAGGTGAAGACTAC
AGCACCACGTAGGTACTGTGTGAGGCCAACAGCGGAATCATCGATGCAGGGCCTCAATTAATGTATCT
GGAAGAAGATGGACTGCGGATGAGGAAGACAGTGCAGAGCAACAGCCCCATTCAGCATTAGCCCCAACT
GGAAGGAAGAAGGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230940 representing NM_001195677
Red=Cloning site Green=Tags(s)
MAKVEQVLSLEPQHELKFRGPF TDVVTTNLKLGNP TDRNVCFKVKT TAPRRYCVRPNSGIIDAGASINVS
GRRWTADEEDSAEQPHFSISPWEGRRP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

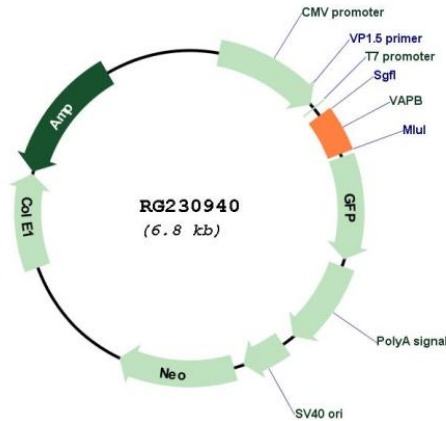


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001195677

ORF Size: 297 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:	<u>NM_001195677.2</u>
RefSeq Size:	7587 bp
RefSeq ORF:	300 bp
Locus ID:	9217
UniProt ID:	<u>O95292</u>
Cytogenetics:	20q13.32
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene is a type IV membrane protein found in plasma and intracellular vesicle membranes. The encoded protein is found as a homodimer and as a heterodimer with VAPA. This protein also can interact with VAMP1 and VAMP2 and may be involved in vesicle trafficking. [provided by RefSeq, Jul 2008]