

Product datasheet for MR228346

Vps25 (NM 001284411) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Vps25 (NM 001284411) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Vps25

Synonyms: 1110020N13Rik; AW107467; D11Wsu68e

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >MR228346 representing NM_001284411
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

 ${\color{red} \textbf{ACGCGT}} \textbf{ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT}$

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228346 representing NM_001284411

Red=Cloning site Green=Tags(s)

MAMSFEWPWQYRFPPFFTLQPNVDTRQKQLAAWCSLVLSFCRLHKQSSMTVMEAQESPLFNNVKLQRHSL NLKPGKLPVESIQIVLEELRKKGNLEWLDKNKSSFLIMWRRPEEWGKLIYQWVSRSGQNNSVFTLYELTS

GEDTEDEEFHGLDEATLLRALQALQQEHKAEIITVSDGRGVKFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



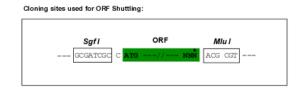
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

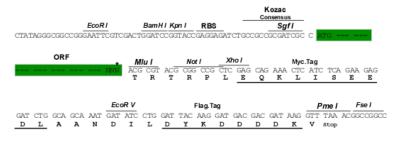
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



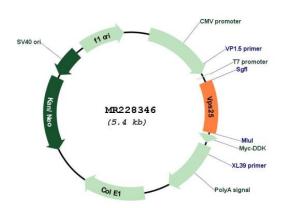
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001284411

ORF Size: 552 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 001284411.2

 RefSeq Size:
 1143 bp

 RefSeq ORF:
 555 bp

 Locus ID:
 28084

 UniProt ID:
 Q9CQ80

Cytogenetics: 11 64.48 cM

MW: 22 kDa

Gene Summary: Component of the ESCRT-II complex (endosomal sorting complex required for transport II),

which is required for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex is probably involved in the

recruitment of the ESCRT-III complex. The ESCRT-II complex may also play a role in

transcription regulation, possibly via its interaction with ELL (By similarity).[UniProtKB/Swiss-

Prot Function]