

Product datasheet for RC213309

VPS13D (NM_015378) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS13D (NM_015378) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VPS13D
Synonyms:	SCAR4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC213309 representing NM_015378 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC213309 representing NM_015378
 Red=Cloning site Green=Tags(s)

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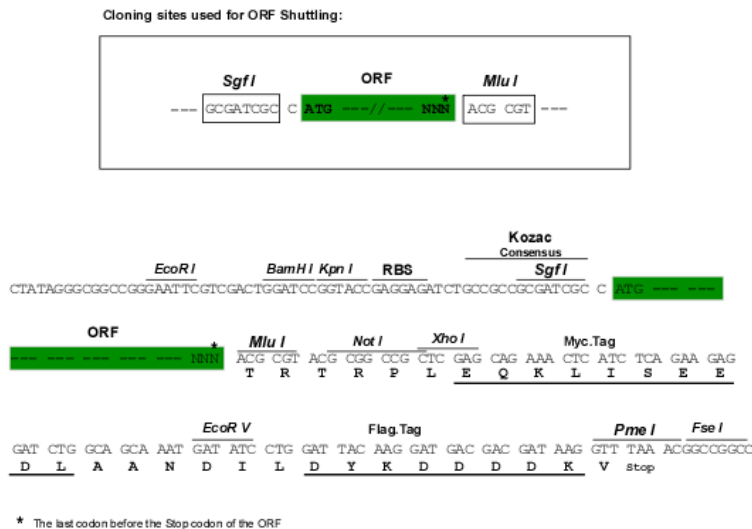
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 KSIPEQANAAPDSVALESDSVGTYPGASRVGEEIREGTRHTLDPVLELQLARLQELGFSMDDCRKALL
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 YISTLPGSSVVFHWPRNDYDQLLCVRLMDVPNCIWSGGFEVKNNSFHINMRDTLGKCFFLRVEITL
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 SKS ALTNIYKHLMITAQRFTVQIEEKLLKLLSFFGYDQAESEVEKYDENLHEKTAEQGGTPIRYFFEN
 LKIS IPQIKLSVFTSNKLPDLKALKSTLGFPLIRFEDAVINLDPFTRVHPYETKEFIINDILKHFQEEL
 SQA ARILGSVDFLGNPMLLNDVSEGTGLIKYGNVGGIRNVTHGVSNSAAKFAAGTLDGLGKTM
 DNRHQSE REYIRYHAATSGEHLVAGIHGLAHGIIIGGLTSVITSTVEGVKTEGGVSGFISGLGK
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 HGKVVYVQVTKAVSTSSGVSIPGPSH QKPMVHVKSEVLAVKLSQEINYAKSLYEQQLMLRL
 SENREQLLEDS

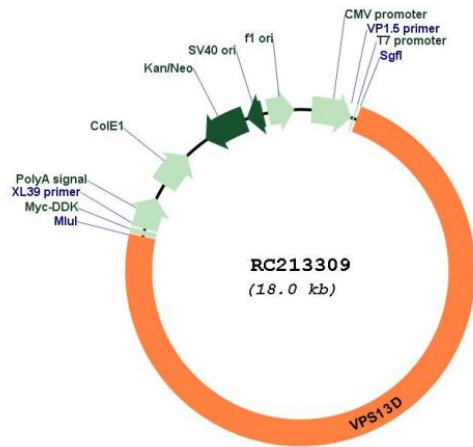
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_015378

ORF Size: 1571 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_015378.4](#)

RefSeq Size: 16341 bp

RefSeq ORF: 13167 bp

Locus ID: 55187

UniProt ID: [Q5THJ4](#)

Cytogenetics: 1p36.22-p36.21

MW: 491.8 kDa

Gene Summary: This gene encodes a protein belonging to the vacuolar-protein-sorting-13 gene family. In yeast, vacuolar-protein-sorting-13 proteins are involved in trafficking of membrane proteins between the trans-Golgi network and the prevacuolar compartment. While several transcript variants may exist for this gene, the full-length natures of only two have been described to date. These two represent the major variants of this gene and encode distinct isoforms. [provided by RefSeq, Jul 2008]