

Product datasheet for RC205353L4

OriGene Technologies, Inc.

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VPS26 (VPS26A) (NM_004896) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: VPS26 (VPS26A) (NM_004896) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: VPS26

Synonyms: HB58; Hbeta58; PEP8A; VPS26

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC205353).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_004896

ORF Size: 981 bp



VPS26 (VPS26A) (NM_004896) Human Tagged Lenti ORF Clone - RC205353L4

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: <u>NM 004896.3</u>

RefSeq Size: 2707 bp **RefSeq ORF:** 984 bp

Locus ID: 9559

UniProt ID: <u>075436</u>

Cytogenetics: 10q22.1 Domains: Vps26

MW: 38.2 kDa

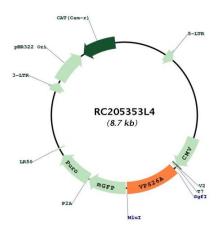
Gene Summary: This gene belongs to a group of vacuolar protein sorting (VPS) genes. The encoded protein is

a component of a large multimeric complex, termed the retromer complex, involved in retrograde transport of proteins from endosomes to the trans-Golgi network. The close structural similarity between the yeast and human proteins that make up this complex suggests a similarity in function. Expression studies in yeast and mammalian cells indicate that this protein interacts directly with VPS35, which serves as the core of the retromer complex. Alternative splicing results in multiple transcript variants encoding different

isoforms. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC205353L4