

# Product datasheet for RC231030L3

#### OriGene Technologies, Inc.

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## VPS24 (CHMP3) (NM 001193517) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: VPS24 (CHMP3) (NM\_001193517) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: VPS24

Synonyms: CGI-149; NEDF; VPS24

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC231030).

Sgfl-Mlul

Sequence:

Restriction Sites: Cloning Scheme:





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001193517

ORF Size: 546 bp





### VPS24 (CHMP3) (NM\_001193517) Human Tagged Lenti ORF Clone - RC231030L3

**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 001193517.1</u>

 RefSeq ORF:
 549 bp

 Locus ID:
 51652

 UniProt ID:
 Q9Y3E7

 Cytogenetics:
 2p11.2

**Protein Pathways:** Endocytosis

MW: 21.2 kDa

**Gene Summary:** This gene encodes a protein that sorts transmembrane proteins into lysosomes/vacuoles via

the multivesicular body (MVB) pathway. This protein, along with other soluble coiled-coil containing proteins, forms part of the ESCRT-III protein complex that binds to the endosomal membrane and recruits additional cofactors for protein sorting into the MVB. This protein may also co-immunoprecipitate with a member of the IFG-binding protein superfamily. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the upstream ring finger protein 103 (RNF103) gene. [provided

by RefSeq, Nov 2010]