

Product datasheet for MR204382L3

Vta1 (NM_025418) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Vta1 (NM_025418) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Vta1

Synonyms: 1110001D18Rik; 1110059P08Rik; AU040813; C85340; LIP5; SBP1

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(MR204382).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_025418

ORF Size: 927 bp



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Vta1 (NM_025418) Mouse Tagged Lenti ORF Clone - MR204382L3

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 025418.3</u>, <u>NP 079694.2</u>

 RefSeq Size:
 1343 bp

 RefSeq ORF:
 930 bp

 Locus ID:
 66201

 UniProt ID:
 Q9CR26

Cytogenetics: 10 A2

Gene Summary: Involved in the endosomal multivesicular bodies (MVB) pathway. MVBs contain intraluminal

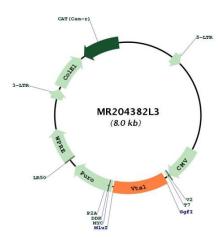
vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. Thought to be a cofactor of VPS4A/B, which catalyzes disassembles membrane-associated ESCRT-III

assemblies (By similarity). Involved in the sorting and down-regulation of EGFR.

[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR204382L3