

## **Product datasheet for MR226231L4**

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OriGene Technologies, Inc.

## Sphk1 (NM\_001172472) Mouse Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Sphk1 (NM\_001172472) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Sphk1

**Synonyms:** 1110006G24Rik; SK; Sk1; Spk1

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 clo

Sequence:

The ORF insert of this clone is exactly the same as(MR226231).

**Restriction Sites:** 

on Sites: Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_001172472

ORF Size: 1146 bp





## Sphk1 (NM\_001172472) Mouse Tagged Lenti ORF Clone - MR226231L4

**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 001172472.1</u>

RefSeq Size: 1880 bp
RefSeq ORF: 1149 bp
Locus ID: 20698
UniProt ID: Q8CI15
Cytogenetics: 11 E2

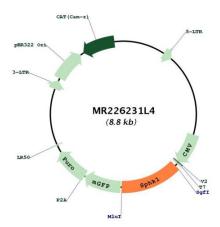
**Gene Summary:** This gene encodes a kinase that phosphorylates sphingosine into sphingosine-1-phosphate,

which is involved in cell differentiation, motility, and apoptosis. The encoded protein plays a role in maintaining cellular levels of sphingosine-1-phosphate. Alternative splicing results in

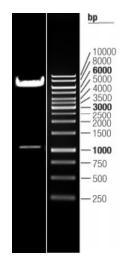
multiple transcript variants. [provided by RefSeq, Feb 2010]



# **Product images:**



Circular map for MR226231L4



Double digestion of MR226231L4 using Sgfl and Mlul