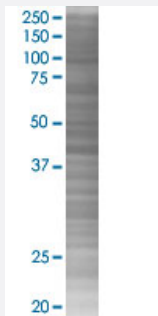


# SPHK1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00008877-T02

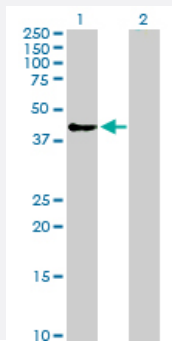
Size 100 uL

## Applications



### SDS-PAGE Gel

SPHK1 transfected lysate.



### Western Blot

Lane 1: SPHK1 transfected lysate ( 43.90 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-SPHK1 full-length
Host	Human
Theoretical MW (kDa)	43.9
Interspecies Antigen Sequence	Mouse (81); Rat (78)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-SPHK1 antibody ([H00008877-D01P](#)) by Western Blots.  
SDS-PAGE Gel  
SPHK1 transfected lysate.  
Western Blot  
Lane 1: SPHK1 transfected lysate ( 43.90 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — SPHK1

**Entrez GeneID**[8877](#)**GeneBank Accession#**[NM\\_021972](#)**Protein Accession#**[NP\\_068807.2](#)**Gene Name**

SPHK1

**Gene Alias**

SPHK

**Gene Description**

sphingosine kinase 1

**Omim ID**[603730](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Sphingosine-1-phosphate (SPP) is a novel lipid messenger with both intracellular and extracellular functions. Intracellularly, it regulates proliferation and survival, and extracellularly, it is a ligand for EDG1 (MIM 601974). Various stimuli increase cellular levels of SPP by activation of sphingosine kinase (SPHK), the enzyme that catalyzes the phosphorylation of sphingosine. Competitive inhibitors of SPHK block formation of SPP and selectively inhibit cellular proliferation induced by a variety of factors, including platelet-derived growth factor (e.g., MIM 173430) and serum.[supplied by OMIM]

**Other Designations**

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## Pathway

- [Calcium signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)
- [VEGF signaling pathway](#)