

# Recombinant Human SGPL1 protein, His-tagged

**Cat. No.** SGPL1-2874H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SGPL1 protein(69-281 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 69-281 aa                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | MRFKKKCFKLTRKMPIIGRKIQDKLNKTKDDISKNMSFLKVDKEYVKALPSQGLSSSA<br>VLEKLKEYSSMDAFWQEGRASGTVYSGEEKLTELLVKAYGDFAWSNPLHPDIFPGL<br>RKIEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACKAYRDLAFEKGIKTPEIVAPQS<br>AHAAFNKAASYFGMKIVRVPLTKMMEVDVDRAMRRAISRNTA                                                                                                                                          |
| <b>Purity</b>           | 80%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                        |

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**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

**GENE INFORMATION**

**Gene Name** [SGPL1 sphingosine-1-phosphate lyase 1 \[ Homo sapiens \]](#)

**Official Symbol** [SGPL1](#)

**Synonyms** SGPL1; sphingosine-1-phosphate lyase 1; SPL; hSPL; SPL 1; SP-lyase 1; sphingosine-1-phosphate aldolase; S1PL; FLJ13811; KIAA1252;

**Gene ID** [8879](#)

**mRNA Refseq** [NM\\_003901](#)

**Protein Refseq** [NP\\_003892](#)

**MIM** [603729](#)

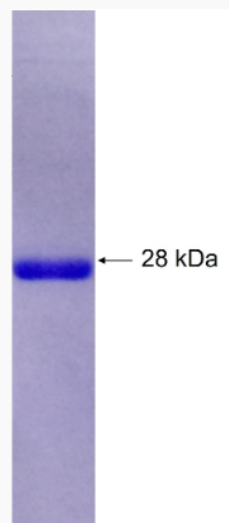
**UniProt ID** [O95470](#)

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**SDS-PAGE**



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