

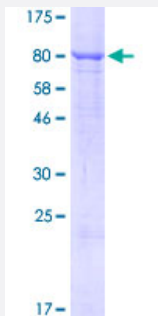
Full-Length

SGPL1 (Human) Recombinant Protein (P01)

Catalog # H00008879-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SGPL1 full-length ORF (NP_003892.2, 1 a.a. - 568 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPSTDLLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYEPWQLIAWSVVWTLIMWGYEFVFQPESL
WSRFKKKCFKLTRKMPIIGRKIQDKLNKTKDDISKNSFLKVDKEYVKALPSQGLSSSAVLEKLKE
YSSMDAFWQEGRASGTVYSGEEKLTELIVKAYGDFAWSNPLHPDIFPGLRKIEAENVRIACSLFNG
GPDSCGCVTSGGTESILMACKAYRDLAFEKGIKTPEVAPQSAHAANKAASYFGMKIVRVPLTKM
MEVDVRAMRRAISRNTAMLVCSTPQFPHGVIDPVPEVAKLAVKYKIPLHVDACLGGFLVMFMEKA
GYPLEHPDFRVKGVTSISADTHKYGYAPKGSSVLVYSDKKYRNYQFFVDTDWQGGIYASPTIAGS
RPGGISAACWAALMHFGENGYEATKQIKTARFLKSELENIKGIFVGNPQLSVIALGSRDFDIYRL
SNLMTAKGWNLNQLQFPFSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAINGMAQ
TTVDRNMVAELSSVFLDSLSTDTVTQGSQMNGSPKPH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

89.9

Interspecies Antigen Sequence

Mouse (84); Rat (85)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SGPL1

Entrez GeneID	8879
GeneBank Accession#	NM_003901.2
Protein Accession#	NP_003892.2
Gene Name	SGPL1
Gene Alias	FLJ13811, KIAA1252, SPL
Gene Description	sphingosine-1-phosphate lyase 1
Omim ID	603729
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000019769

Publication Reference

- [Efficacy of AAV9-mediated SGPL1 gene transfer in a mouse model of S1P lyase insufficiency syndrome.](#)

Piming Zhao, Gizachew B Tassew, Joanna Y Lee, Babak Oskouian, Denise P Muñoz, Jeffrey B Hodgkin, Gordon L Watson, Felicia Tang, Jen-Yeu Wang, Jinghui Luo, Yingbao Yang, Sarah M King, Ronald M Krauss, Nancy Keller, Julie D Saba.

JCI Insight 2021 Apr; 6(8):145936.

Application: ELISA, Func, Mouse, Mouse plasma

Pathway

- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)

Disease

- [Alzheimer disease](#)
- [Genetic Predisposition to Disease](#)