# abcam

## Product datasheet

# Recombinant Human Sphingosine 1 phosphate phosphatase 2 protein ab165326

# 1 Image

**Description** 

Product name Recombinant Human Sphingosine 1 phosphate phosphatase 2 protein

Expression system Wheat germ
Accession Q8IWX5

Protein length Full length protein

Animal free No.

**Nature** Recombinant

**Species** Human

Sequence MAELLRSLQDSQLVARFQRRCGLFPAPDEGPRENGADP

**TERAARVPGVEH** 

LPAANGKGGEAPANGLRRAAAPEAYVQKYVVKNYFYYYLF

QFSAALGQEV

FYITFLPFTHWNIDPYLSRRLIIIWVLVMYIGQVAKDVLKWPR

**PSSPPVV** 

KLEKRLIAEYGMPSTHAMAATAIAFTLLISTMDRYQYPFVLG

**LVMAVVFS** 

 ${\tt TLVCLSRLYTGMHTVLDVLGGVLITALLIVLTYPAWTFIDCL}$ 

DSASPLFP

VCVIVVPFFLCYNYPVSDYYSPTRADTTTILAAGAGVTIGFW

**INHFFQLV** 

SKPAESLPVIQNIPPLTTYMLVLGLTKFAVGIVLILLVRQLVQ

NLSLQVI

YSWFKVVTRNKEARRRLEIEVPYKFVTYTSVGICATTFVPM

LHRFLGLP

Amino acids 1 to 399

Tags GST tag N-Terminus

#### **Specifications**

Our Abpromise guarantee covers the use of ab165326 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** ELISA

1

Western blot

**Form** 

Liquid

**Additional notes** 

#### **Preparation and Storage**

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

00.8 :Ha

Constituents: 0.31% Glutathione, 0.79% Tris HCI

#### **General Info**

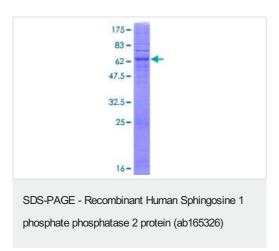
#### Relevance

Sphingosine 1 phosphate phosphotase 2 is a highly bioactive lipid that has a myriad of biological effects both intracellularly as a second messenger and extracellularly by binding to the S1P(1-5)/G protein-coupled receptors of the endothelial differentiation gene family. Intracellularly, at least two enzymes, sphingosine kinase (1 and 2) and S1P phosphatase, regulate the activity of S1P by governing the phosphorylation of S1P. SPPase2 is localized to the endoplasmic reticulum. The enzymatic activity and localization of SPPase2 are similar to SPPase1. The tissue expression of SPPase2 was different from that of SPPase1. SPPase2 is an important member of the SPPase family which play a role in attenuating intracellular S1P signaling.

#### **Cellular localization**

Endoplasmic reticulum

#### **Images**



ab165326 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

#### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <a href="https://www.abcam.com/abpromise">https://www.abcam.com/abpromise</a> or contact our technical team.

### Terms and conditions

• Guarantee only valid for products bought direct from Abcam or one of our authorized distributors