

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	<u>Q8IWX5</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MAELLRSLQDSQLVARFQRRRCGLFPAPDEGPRENGADP TERAARVPGVEH LPAANGKGGGEAPANGLRRAAAPEAYVQKYVVKNYFYLLF QFSAALGQEV FYTFLPFTHWNIDPYLSRRLIIWVLMYIGQVAKDVLKWPR PSSPPVV KLEKRLIAEYGMPTHAMAATAIAFTLLISTMDRYQYPFVLG LVMAVVFS TLVCLSRLYTMHTVLDVLDVGGVLITALLMLTYPAWTFIDCL DSASPLFP VCVIVPFFFLCYNYPVSDYSPTRADTTTILAAGAGVTIGFW INHFFQLV SKPAESLPVIQNIPPLTTYMLVLGLTKFAVGMILLVRQLVQ NLSLQVL YSWFKVVTRNKEARRRLEIEVPYKFVITYTSVGICATTFVPM 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
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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.
pH: 8.00
Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Relevance Sphingosine 1 phosphate phosphatase 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.

SDS-PAGE - Recombinant Human Sphingosine 1 phosphate phosphatase 2 protein (ab165326)

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