

## Product datasheet

# Recombinant human SPHK2 protein ab42625

### Overview

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<b>Product name</b>	Recombinant human SPHK2 protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Baculovirus infected Sf9 cells

### Amino Acid Sequence

<b>Species</b>	Human
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### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab42625** in the following tested applications.

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

<b>Biological activity</b>	Specific Activity : 20 U/ug. One unit defined as the amount of enzyme that will transfer 1nmol phosphate to Tyr substrate per minute at pH 7.4 and 30deg.C. Assay buffer : 50mM HEPES pH 7.4, 3mM MgCl <sub>2</sub> , 3mM MnCl <sub>2</sub> , 1mM DTT, 3um Na-orthovanadate, 0.1M ATP, 30ug/ml Poly (Glu:Tyr) 4:1 substrate and 0.75ug/ml recombinant SPHK2.
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<b>Applications</b>	Inhibition Assay
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<b>Form</b>	Liquid
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<b>Additional notes</b>	Source : Baculovirus infected Sf9 cells
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### Preparation and Storage

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<b>Stability and Storage</b>	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Preservative: None Constituents: 50% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8.0 This product is an active protein and may elicit a biological response in vivo, handle with caution.
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### General Info

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<b>Function</b>	Catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (SPP), a lipid mediator with both intra-and extracellular functions. Also acts on D-erythro-dihydrosphingosine, D-erythro-sphingosine and L-threo-dihydrosphingosine. Binds phosphoinositides.
<b>Sequence similarities</b>	Contains 1 DAGKc domain.
<b>Cellular localization</b>	Cytoplasm. Membrane and Lysosome membrane.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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