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## Lieferung & Zahlungsart

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- Gefahrgutzuschlag
- Expressversand


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Datasheet for 009-001-S91S

# PHLPP2 protein-GST fusion

## Overview

| | |
|---|---|
| **Description:** | PHLPP2 recombinant protein-GST fusion protein - 009-001-S91S |
| **Item No.:** | 009-001-S91S |
| **Size:** | 20 µg |
| **Origin:** | Human |
| **Expressed in:** | E. coli |

## Product Details

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|---|---|
| **Background:** | PHLPP2 or PH domain and leucine rich repeat protein phosphatase 2 is the important regulators of Akt serine-threonine kinases and conventional/novel protein kinase C (PKC) isoforms. PHLPP1 and PHLPP2 differentially regulated AKT signaling by selectively dephosphorylating the hydrophobic motifs of AKT2 or AKT3. PHLPP may act as a tumor suppressor in several types of cancer due to its ability to block growth factor-induced signaling in cancer cells. PHLPP2 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, AKT/PKB Pathway, Cancer, Phosphatases, and PKA/PKC Pathway research. |
| **Synonyms:** | KIAA0931, PHLPPL, PH domain leucine-rich repeat-containing protein phosphatase 2, PH domain leucine-rich repeat-containing protein phosphatase-like, PHLPP-like, PHLPP2 |
| **Species of Origin:** | Human |
| **Expressed in:** | E. coli |
| **Type:** | Recombinant Protein |

## Target Details

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|---|---|
| **Gene Name:** | PHLPP2 |
| **Purity/Specificity:** | Recombinant human PHLPP2 (766-1043) was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry. |
| **Relevant Links:** | • NCBI - NM_015020 |

## Application Details

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| **Application Note:** | PHLPP2 Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. PHLPP2 Protein is suitable for use in Western Blot and Phosphatase Assay. Expect a band approximately ~56kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **WB:** | User Optimized |

## Formulation

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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 0.1 µg/µL by UV absorbance at 280 nm |
| **Buffer:** | See application note. |

## Shipping & Handling

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|---|---|
| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

## Disclaimer

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