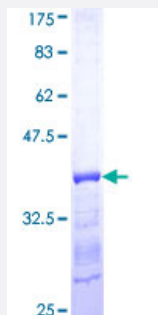


# PSPH (Human) Recombinant Protein (Q01)

Catalog # H00005723-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human PSPH partial ORF ( NP_004568, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MVSHSELRKLFYSADAVCFDVDSTVIREEGIDELAKICGVEDAVSEMTRRAMGGAVPFKAALTER LALIQPSREQVQRLIAEQPPHLTPGIRELVSRLQE
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.74
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 — PSPH

Entrez GeneID [5723](#)

GeneBank Accession# [NM\\_004577](#)

Protein Accession# [NP\\_004568](#)

Gene Name PSPH

Gene Alias PSP

Gene Description phosphoserine phosphatase

Omim ID [172480](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene belongs to a subfamily of the phosphotransferases. This encoded enzyme is responsible for the third and last step in L-serine formation. It catalyzes magnesium-dependent hydrolysis of L-phosphoserine and is also involved in an exchange reaction between L-serine and L-phosphoserine. Deficiency of this protein is thought to be linked to Williams syndrome. [provided by RefSeq]

**Other Designations** L-3-phosphoserine phosphatase|O-phosphoserine phosphohydrolase|OTTHUMP00000025059|PSPase

## Pathway

- [Glycine](#)
- [Metabolic pathways](#)