

Recombinant Human PSPH cell lysate

Cat. No. PSPH-1430HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	PSPH phosphoserine phosphatase [Homo sapiens]
Official Symbol	PSPH
Synonyms	PSPH; phosphoserine phosphatase; PSP; PSPase; L-3-phosphoserine phosphatase; O-phosphoserine phosphohydrolase; PSPHD;

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Gene ID	5723
mRNA Refseq	NM_004577
Protein Refseq	NP_004568
MIM	172480
UniProt ID	P78330
Chromosome Location	7p11.2
Pathway	Amino acid synthesis and interconversion (transamination), organism-specific biosystem; Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Serine biosynthesis, organism-specific biosystem;
Function	calcium ion binding; hydrolase activity; magnesium ion binding; phosphoserine phosphatase activity; phosphoserine phosphatase activity; protein homodimerization activity;

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