

Recombinant Human PSPH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PSPH-767H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PSPH MS Standard C13 and N15-labeled recombinant protein (NP_004568) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	25 kDa
AA Sequence	MVSHSELRKLFYSADAVCFDVDSTVIREEGIDELAKICGVEDAVSEMTRRAMGGAVP FKAALTERLALIQPSREQVQRLIAEQPPHLTPGIRELVSRLQERNVQVFLISGGFRSIV EHVASKLNIPATNVFANRLKFYFNGEYAGFDETQPTAESGGKGKVIKLLKEKFHFKKII MIGDGATDMEACPPADAFIGFGGNVIRQQVKDNAKWYITDFVELLGELEETRTRPLE QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PSPH phosphoserine phosphatase [Homo sapiens (human)]

Official Symbol PSPH

Synonyms PSPH; phosphoserine phosphatase; PSP; PSPase; L-3-phosphoserine phosphatase; O-phosphoserine phosphohydrolase; PSPHD;

Gene ID 5723

mRNA Refseq NM_004577

Protein Refseq NP_004568

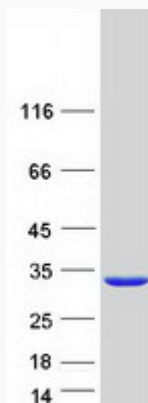
MIM 172480

UniProt ID P78330

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SDS-PAGE

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