

## 32-7145: Recombinant Human Phosphoserine Phosphatase/PSP (C-6His)

**Gene :** PSPH  
**Gene ID :** 5723  
**Uniprot ID :** P78330

### Description

Source: E.coli.  
MW :26.07kD.

Recombinant Human Phosphoserine Phosphatase is produced by our E.coli expression system and the target gene encoding Met1-Glu225 is expressed with a 6His tag at the C-terminus. Phosphoserine phosphatase (PSP) is an enzyme that belongs to the serB family. PSPH catalyzes magnesium-dependent hydrolysis of L-phosphoserine and is also involved in an exchange reaction between L-serine and L-phosphoserine. The reaction mechanism proceeds via the formation of a phosphoryl-enzyme intermediates. Deficiency of this protein is thought to be linked to Williams syndrome. A disorder that results in pre- and postnatal growth retardation, moderate psychomotor retardation and facial features suggestive of Williams syndrome.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 50mM Tris, 250mM NaCl, 50mM Imidazole, pH 8.5 .  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MVSHSELRKLFYSADAVCFDVDSTVIREEGIDELAKICGVEDAVSEMTRRAMGGAVPFKAALTERL  
ALIQPSREQVQRLIAEQPPHLTPGIRELVSRQERNVQVFLISGGFRSIVEHVASKLNIPATNVFANR  
LKFYFNGEYAGFDETQPTAESGGKGKVIKLLKEKFHFKKIIMIGDGATDMEACPPADAFIGFGGNVIR  
QQVKDNAKWYITDFVELLGELEEELEHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.