

## 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 :** MVSHSELRKL FYSADAVCFD V D S T V I R E E G I D E L A K I C G V E D A V S E M T R R A M G G A V P F K A A L T E R L A L I Q P S R E Q  
V Q R L I A E Q P P H L T P G I R E L V S R L Q E R N V Q V F L I S G G F R S I V E H V A S K L N I P A T N V F A N R L K F Y F N G E Y A G F D E T Q P  
T A E S G G K G K V I K L L K E K F H F K I I M I G D G A T D M E A C P P A D A F I G F G G N V I R Q Q V K D N A K W Y I T D F V E L L G E L E E L E  
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### Application Note

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