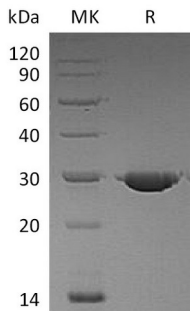
Product Name: Recombinant Human PSP (C-6His)
Catalog #: PEH1399

Summary

Name	PSP/Phosphoserine phosphatase
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P78330
Host	E.coli
Species	Human
Predicted Molecular Mass	26.07 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 4M Urea, 5mM EDTA, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Phosphoserine Phosphatase; PSP; PSPase; L-3-Phosphoserine Phosphatase; O-Phosphoserine Phosphohydrolase; PSPH
Background	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.

Note

For Research Use Only , Not for Diagnostic Use.