Recombinant Human PSPH Protein (His Tag)

Catalog Number: PKSH032897



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Phosphoserine Phosphatase; PSP; PSPase; L-3-Phosphoserine Phosphatase; O-

Phosphoserine Phosphohydrolase;PSPH

Species Human
Expression Host E.coli

Sequence Met 1-Glu225

AccessionP78330Calculated Molecular Weight26.1 kDaObserved molecular weight25-30 kDaTagC-His

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Storage Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping This product is provided as liquid. It is shipped at frozen temperature with blue

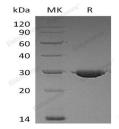
ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 4M Urea, 5mM EDTA,

pH 8.0.

Reconstitution Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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