

Product datasheet

Recombinant Human PSPH protein ab48755

1 Image

Description

Product name	Recombinant Human PSPH protein
Purity	> 95 % SDS-PAGE. Recombinant human PSPH was overexpressed in E. coli and purified by conventional chromatography.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MVSHSELRKL FYSADAVCFD VDSTVIREEG IDELAKICGV EDAVSEMTRR AMGGAVPFKA ALTERLALIQ PSREQVQRLL AEQPPHLTPG IRELVSRMQE RNVQVFLISG GFRSIVEHVA SKLNIPATNV FANRLKFYFN GEYAGFDETQ PTAESGGKGK VIKLLKEKFH FKKIIMIGDG ATDMEACPPA DAFIGFGGNV IRQQVKDNAK WYTDFVELL GELEE
Amino acids	1 to 225

Specifications

Our **Abpromise guarantee** covers the use of **ab48755** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	Previously labelled as Phosphoserine phosphatase.

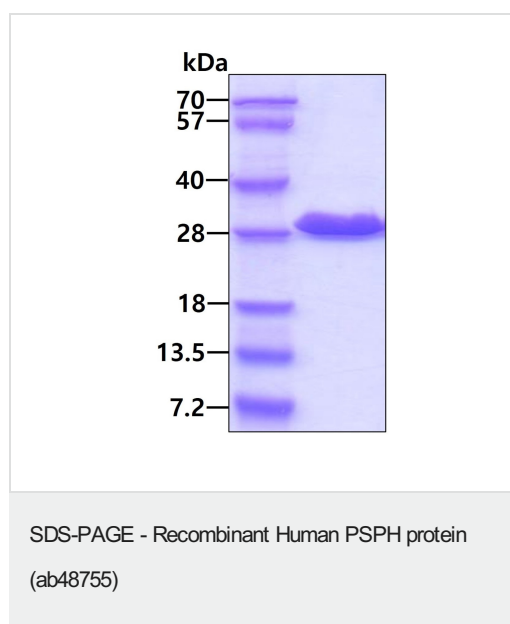
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. pH: 7.4 Constituents: 0.75% Potassium chloride, 0.0154% DTT, 0.476% HEPES
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General Info

Function	Catalyzes the last step in the biosynthesis of serine from carbohydrates. The reaction mechanism proceeds via the formation of a phosphoryl-enzyme intermediates.
Pathway	Amino-acid biosynthesis; L-serine biosynthesis; L-serine from 3-phospho-D-glycerate: step 3/3.
Involvement in disease	Defects in PSPH are the cause of phosphoserine phosphatase deficiency (PSPHD) [MIM:614023]. A disorder that results in pre- and postnatal growth retardation, moderate psychomotor retardation and facial features suggestive of Williams syndrome.
Sequence similarities	Belongs to the SerB family.

Images



SDS-PAGE analysis of ab48755 (3 µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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