

Phosphoserine phosphatase Recombinant Protein | PSPH recombinant protein

Phosphoserine phosphatase, 1-225 aa, Human, E Coli

CATALOG # AAA48447	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

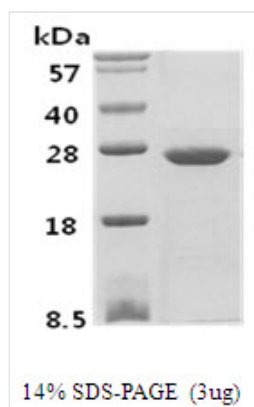
PRODUCT SYNONYMS

Phosphoserine phosphatase; 1-225 aa; Human; E Coli; PSPH; Phosphoserine phosphatase Human; PSPase; PSP; EC 3.1.3.3; O-phosphoserine phosphohydrolase; L-3-phosphoserine phosphatase; L 3 phosphoserine phosphatase; O phosphoserine phosphohydrolase; Phosphoserine phosphatase deficiency; included; ; PSPH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. in 20 mM HEPES (pH 7.5) containing 1 mM DTT, 100 mM KCl ₂
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MVSHSELRLK FYSADAVCFD VDSTVIREEG IDELAKICGV EDAVSEMTRR AMGGAVPFKA ALTERLALIQ PSREQVQRLL AEQPPHLTPG IRELVSRLQE RNVQVFLISG GFRSIVEHVA SKLNIPATNV FANRLKFYFN GEYAGFDETQ PTAESGGKGK VIKLLKEKFH FKKIIMIGDG ATDMEACPPA DAFIGFGGNV IRQQVKDNAK WYITDFVELL GELEE
Sequence Length	225
Applicable Applications for PSPH recombinant protein	SDS-PAGE
Preparation and Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PSPH recombinant protein	Human Phosphoserine phosphatase (hPSP) is an important enzyme in the phosphorylated pathway of serine biosynthesis, which contributes a major portion of the endogenous L-serine. Similar to known L-3-phosphoserine phosphatases, it catalyzed the Mg2+ General references: -dependent hydrolysis of L-phosphoserine and an exchange reaction between L-serine and L-phosphoserine. Recently, its complex structures reveal that the open-closed environmental change of the active site, generated by local rearrangement of the alpha-helical bundle domain, is important to substrate recognition and hydrolysis. Recombinant human hPSP was overexpressed in E. coli and purified by conventional chromatography.
Product Categories/Family for PSPH recombinant protein	Signal Transduction
References	Moro-Furlani., AM., et al. (1980) Ann. Hum. Genet. 43, 323-333; Collet JF., et al. (1997) FEBS Lett. 408, 281-284 ; Kim HY, et al. (2002) J Biol Chem. 277, 46651-8.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	46249388
NCBI GeneID	5723
NCBI Accession #	NP_004568
NCBI GenBank Nucleotide #	NM_004577.3
UniProt Accession #	P78330; Q7Z3S5; B2RCR5
Molecular Weight	25 kDa (225 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	phosphoserine phosphatase
NCBI Official Synonym Full Names	phosphoserine phosphatase
NCBI Official Symbol	PSPH
NCBI Official Synonym Symbols	PSP; PSPHD
NCBI Protein Information	phosphoserine phosphatase
UniProt Protein Name	Phosphoserine phosphatase
UniProt Gene Name	PSPH
UniProt Synonym Gene Names	PSP; PSPase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/psph-recombinant-protein-e-coli-sds-page/48447>