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Product datasheet for TP309090L

Phosphoserine phosphatase (PSPH) (NM_004577) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphoserine phosphatase (PSPH), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209090 protein sequence Red=Cloning site Green=Tags(s) MVSHSELRKLFYSADAVCFDVDSTVIREEGIDELAKICGVEDAVSEMTRRAMGGAVPFKAALTERLALIQ PSREQVQRLIAEQPPHLTPGIRELVSRLQERNVQVFLISGGFRSIVEHVASKLNIPATNVFANRLKFYFN GEYAGFDETQPTAESGGKGKVIKLLKEKFHFKKIIMIGDGATDMEACPPADAFIGFGGNVIRQQVKDNAK WYITDFVELLGELEE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	24.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004568
Locus ID:	5723
UniProt ID:	P78330, A0A024RDL3

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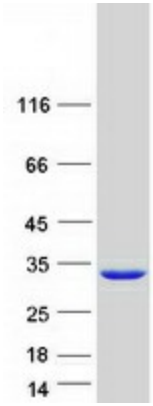
RefSeq Size:	2142
Cytogenetics:	7p11.2
RefSeq ORF:	675
Synonyms:	PSP; PSPHD
Summary:	The protein encoded by this gene belongs to a subfamily of the phosphotransferases. This encoded enzyme is responsible for the third and last step in L-serine formation. It catalyzes magnesium-dependent hydrolysis of L-phosphoserine and is also involved in an exchange reaction between L-serine and L-phosphoserine. Deficiency of this protein is thought to be linked to Williams syndrome. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Glycine, serine and threonine metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified PSPH protein (Cat# [TP309090]). The protein was produced from HEK293T cells transfected with PSPH cDNA clone (Cat# [RC209090]) using MegaTran 2.0 (Cat# [TT210002]).