OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SA6017X

Phosphoserine phosphatase (225 aa) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Phosphoserine phosphatase (225 aa) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MVSHSELRKL FYSADAVCFD VDSTVIREEG IDELAKICGV EDAVSEMTRR AMGGAVPFKA ALTERLALIQ PSREQVQRLI AEQPPHLTPG IRELVSRLQE RNVQVFLISG GFRSIVEHVA SKLNIPATNV FANRLKFYFN GEYAGFDETQ PTAESGGKGK VIKLLKEKFH FKKIIMIGDG ATDMEACPPA DAFIGFGGNV IRQQVKDNAK WYITDFVELL GELEE
Predicted MW:	25 kDa
Concentration:	lot specific
Purity:	>95% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid protein Buffer System: 20 mM Hepes, pH 7.5, 1 mM DTT, 100 mM KCl2
Preparation:	Liquid protein
Protein Description:	Recombinant human hPSP was overexpressed in E. coli and purified by conventional chromatography.
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_004568
Locus ID:	5723
UniProt ID:	P78330, A0A024RDL3
Cytogenetics:	7p11.2
Synonyms:	PSP; PSPHD

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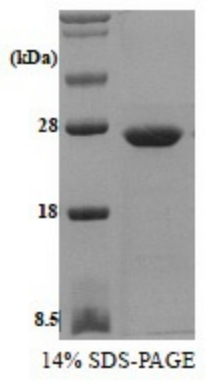
Summary: The protein encoded by this gene belongs to a subfamily of the phosphotransferases. This encoded enzyme is responsible for the third and last step in L-serine formation. It catalyzes magnesium-dependent hydrolysis of L-phosphoserine and is also involved in an exchange reaction between L-serine 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:



14% SDS-PAGE