

Datasheet for ABIN7529299 PLAP Protein (AA 23-506) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	PLAP (ALPP)
Protein Characteristics:	AA 23-506
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PLAP protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADLMIIPVEE ENPDFWNREA AEALGAARKL QPAQTAANKL IIFLGDMGV STVTAARILK GQKKDKLGPE LPLAMDRFPY VALSKTYNVD KHVPDSGATA TAYLCGVKGN FQTIGLSAAA RFNQCNTTRG NEVISVMNRA KKAGKSVGTV TTTRVQHASP AGTYAHTVNR NWYSDADVPA SARQEGCQDI ATQLISNMDI DVILGGGRKY MFRMGTPDPE YPDDYSQGGT RLDGKNLVQE WLAKRQGARY VWNRTLMQA SLDPSVTHLM GLFEPGDMKY EIHRDSTLDP SLMEMTEAAL RLLSRNPRGF FLFVEGGRID HGHHESTRAYR ALTETIMFDD AIERAGQLTS EEDTLSLVTA DHSHVFSFGG YPLRGSSIFG LAPGKARDRK AYTVELLYGNG PGYVLKDGAR PDVTESESGS PEYRQSAVP LDEETHAGED VAVFARGPQA HLVHGVQEQT FIAHVMAFAA CLEPYTACDL APPAGTTDHH HHHH
Purity:	> 95 % by SDS - PAGE

Product Details

Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 2,500 units/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37C.

Target Details

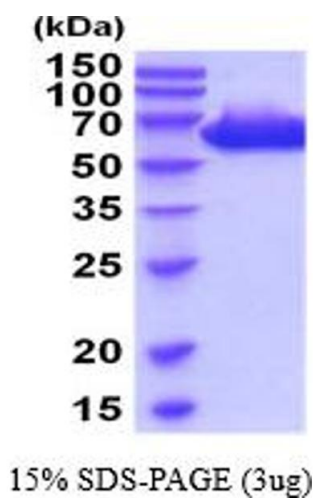
Target:	PLAP (ALPP)
Alternative Name:	Alkaline phosphatase, placental (ALPP Products)
Background:	ALPP, also known as alkaline phosphatase, placental, is a family of dimeric metalloenzymes catalyzing the hydrolysis of monoesters of phosphoric acid. Also, this protein catalyzes a transphosphorylation reaction in the presence of large concentrations of phosphate acceptors. It occurs widely in nature, and are found in many organisms from Escherichia coli to man. Most alkaline phosphatases are homodimeric enzymes and each catalytic site contains three metal ions (two Zn and one Mg), that are necessary for enzymatic activity. Recombinant human ALPP, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	53.9kDa (494aa) 50-70KDa (SDS-PAGE under reducing conditions).

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.