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Datasheet for ABIN1097412

ACPP Protein (AA 33-386) (His tag)

Overview

Quantity:	50 µg
Target:	ACPP
Protein Characteristics:	AA 33-386
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACPP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Prostatic Acid Phosphatase/ACPP (C-6His)
Sequence:	KELKFVTLVF RHGDRSPIDT FPTDPIKESS WPQGFGQLTQ LGMEQHYELG EYIRKRYRKF LNESYKHEQV YIRSTDVDRT LMSAMTNLAA LFPPEGVSIW NPILLWQPIP VHTVPLSEDQ LLYLPFRNCP RFQELESETL KSEEFQKRLH PYKDFIATLG KLSGLHGQDL FGIWSKVYDP LYCESVHNFT LPSWATEDTM TKLRELSELS LLSLYGIHKQ KEKSRLQGGV LVNEILNHMK RATQIPSYKK LIMYSAHDTT VSGLQMALDV YNGLLPYAS CHLTELYFEK GEYFVEMHYR NETQHEPYPL MLPGCSPSCP LERFAELVGP VIPQDWSTEC MTTNSHQGTE DSTDVDHHHH HH
Characteristics:	Recombinant Human Prostatic Acid Phosphatase/ACPP produced by transfected human cells is a secreted protein with sequence (Lys33-Asp386) of Human ACPP fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target:	ACPP
Alternative Name:	acpp (ACPP Products)
Sub Type:	Fusionprotein
Background:	<p>Prostatic Acid Phosphatase (PAP) belongs to the histidine acid phosphatase family. PAP can catalyze the hydrolysis of member of phosphate monoesters, including phosphorylated protein. PAP can high expression in metastasized prostate cancer, moderately expression level in bone diseases, blood cell disease, and the concentration of PAP is used to monitor and assess the proession of prostate cancer. The optimum PH of PAP is from 4 to 6, its activity can be inhibited by L(+)-tartrate.</p> <p>Alternative Names: Prostatic Acid Phosphatase, PAP, 5'-Nucleotidase, 5'-NT, Ecto-5'-Nucleotidase, Thiamine Monophosphatase, TMPase, ACPP</p>
Molecular Weight:	42.01 kDa
UniProt:	P15309
Pathways:	Synaptic Membrane , Ribonucleoside Biosynthetic Process

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 μg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 μm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>

Handling

Expiry Date: 6 months