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Datasheet for ABIN5854325

## ACP5 Protein (AA 22-325) (His tag)

### 1 Image

#### Overview

Quantity:	50 µg
Target:	ACP5
Protein Characteristics:	AA 22-325
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ACP5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

#### Product Details

Sequence:	ATPALRFVAV GDWGGVPNAP FHTAREMANA KEIARTVQIL GADFILSLGD NFYFTGVQDI NDKRFQETFE DVFSDRSLRK VPWYVLAGNH DHLGNVSAQI AYSKISKRWN FPSPFYRLHF KIPQTNVSA IFMLDVTLC GNSDDFLSQQ PERPRDVKLA RTQLSWLKKQ LAAAREDYVL VAGHYPVWSI AEHGPTHCLV KQLRPLLATY GVTAYLCGHD HNLQYLQDEN GVG YVLSGAG NFM DPSKRHQ RKVPNGYLR FHYGTEDSLGG FAYVEISSKE MTVTYIEASG KSLFKTRLPR RARPHHHHHH
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 5,000 units/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmoles of p-nitrophenyl phosphate (pNPP) per minute at pH 5.0 at 37C.

## Target Details

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Target:	ACP5
Alternative Name:	ACP5 ( <a href="#">ACP5 Products</a> )
Background:	ACP5, also known as tartrate-resistant acid phosphatase type 5, is involved in osteopontin and bone sialoprotein dephosphorylation. Its expression seems to increase in certain pathological states such as Gaucher and Hodgkin diseases, the hairy cell, the B-cell, and the T-cell leukemias. Recombinant human ACP5, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	35.1kDa (310aa) 28-40kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	<a href="#">NP_001104505</a>
UniProt:	<a href="#">P13686</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

## Application Details

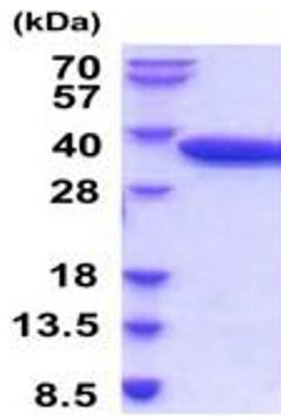
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Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

## Handling

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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.



15% SDS-PAGE (3ug)

**SDS-PAGE**

Image 1.