

Product datasheet

Recombinant human Acid phosphatase/ACP1 protein ab87493

[1 Image](#)

Description

Product name	Recombinant human Acid phosphatase/ACP1 protein
Biological activity	Specific activity: > 60,000 unit/mg of protein. Unit definition: One unit is defined as the amount of enzyme that will hydrolyze 1nmole of p-nitrophenyl phosphate per minute at 37°C in MES pH5.0 using 10mM of substrate.
Purity	> 95 % SDS-PAGE. ab87493 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSSLVPRGSH MAEQATKSVL FVCLGNICRS PIAEAVFRKL VTDQNIENW VIDSGAVSDW NVGRSPDRA VSCLRNHGIH TAHKARQITK EDFATFDYIL CMDESNLRDL NRKSNQVKTG KAKIELLLGSY DPQKQLIIEP PYYGNDSDFE TVYQQCVRCC RAFLEKAH

Specifications

Our **Abpromise guarantee** covers the use of **ab87493** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Liquid
Additional notes	Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method). This product was previously labelled as Acid Phosphatase

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 6.00

Constituents: 0.39% MES, 0.00174% PMSF, 0.0584% EDTA, 10% Glycerol (glycerin, glycerine)

This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function

Acts on tyrosine phosphorylated proteins, low-MW aryl phosphates and natural and synthetic acyl phosphates. Isoform 3 does not possess phosphatase activity.

Tissue specificity

T-lymphocytes express only isoform 2.

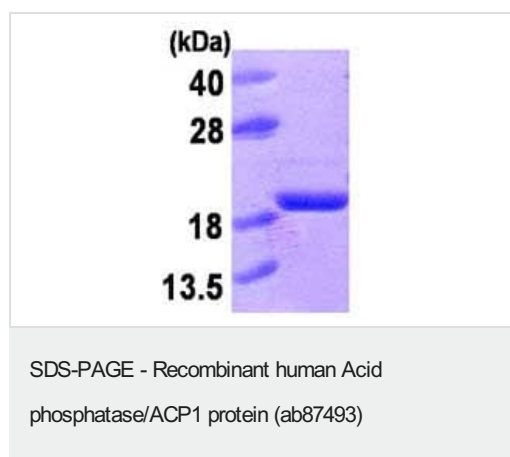
Sequence similarities

Belongs to the low molecular weight phosphotyrosine protein phosphatase family.

Cellular localization

Cytoplasm.

Images



15% SDS-PAGE showing 3µg ab87493 at approximately 20.1kDa.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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