

Product datasheet

Recombinant Human Acid Phosphatase 2 protein (denatured) ab202151

1 Image

Description

<b>Product name</b>	Recombinant Human Acid Phosphatase 2 protein (denatured)	
<b>Purity</b>	> 85 % SDS-PAGE.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P11117</a>	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MGSSHHHHHHSSGLVPRGSHMGSRLRFVTLRYRHGDR SPVKTYPKDPYQ EEEWPQGFQQLTKEGMLQHWELGQALRQRYHGFLNTSY HRQEVVVRSTDF DRTLMSAEANLAGLFPPNGMQRFNPNISWQPIPVHTVPIT EDRLKFPPLG PCPRYEQLQNETRQTPEYQNESSRNAQFLDMVANETGLT DLTLETVWNVY DTLFCEQTHGLRLPPWASPQTMQRLSRLKDFSFRFLFGIY QQA EKARLQG GVLLAQIRKNLTMATTSQLPKLLVYSAHD TTLVALQMALD VYNGEQAPY ASCHFELYQEDSGNFSVEMYFRNESDKAPWPLSLPGCP HRCPLQDFLRL TEPVVPKDWQQECQLASGPADTE	
<b>Predicted molecular weight</b>	43 kDa including tags	
<b>Amino acids</b>	31 to 380	
<b>Tags</b>	His tag N-Terminus	
<b>Additional sequence information</b>	Lumenal domain (NP_001601).	
<b>Description</b>	Recombinant Human Acid Phosphatase 2 protein	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab202151** in the following tested applications.

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

**Applications** SDS-PAGE

**Form** Liquid

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 10% Glycerol (glycerin, glycerine), 0.32% Tris HCl

## General Info

**Involvement in disease** Defects in ACP2 are a cause of acid phosphatase deficiency (ACPHD) [MIM:200950]. The clinical features are intermittent vomiting, hypotonia, lethargy, opisthotonos, terminal bleeding, and death in early infancy. Lysosomal acid phosphatase is deficient in cultured fibroblasts and multiple tissues.

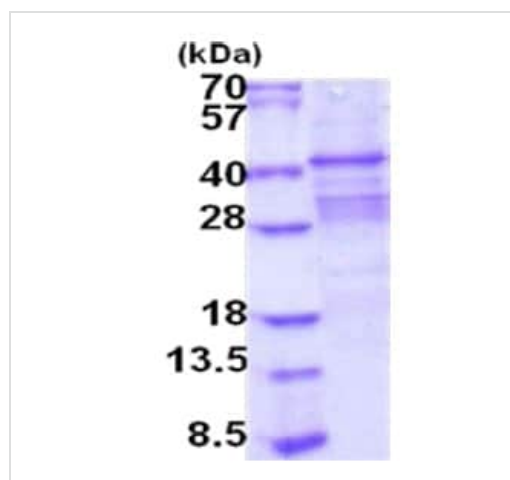
**Sequence similarities** Belongs to the histidine acid phosphatase family.

**Post-translational modifications** The membrane-bound form is converted to the soluble form by sequential proteolytic processing. First, the C-terminal cytoplasmic tail is removed. Cleavage by a lysosomal protease releases the soluble form in the lysosome lumen.

N-glycosylated. The intermediates formed during enzymatic deglycosylation suggest that all eight predicted N-glycosylation sites are used.

**Cellular localization** Lysosome membrane. Lysosome lumen. The soluble form arises by proteolytic processing of the membrane-bound form.

## Images



15% SDS-PAGE analysis of ab202151 (3 µg).

SDS-PAGE - Recombinant Human Acid

Phosphatase 2 protein (denatured) (ab202151)

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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