Mouse TRACP/ACP5 (His Tag) recombinant protein

Catalog Number: 500357

General Information

Gene Name Synonym

Tartrate-resistant acid ATPase; Type 5 acid phosphatase

Protein Construction

A DNA sequence encoding the pro form of mouse ACP5 (NP_031414.1) (Met 1-Pro 327) was fused with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave a substrate, p-Nitrophenyl phosphate (pNPP). The specific activity is >9,000 pmoles/min/µg.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70 $^{\circ}\mathrm{C}$

Predicted N terminal

Ala 23

Molecular Mass

The recombinant mouse ACP5 consists of 316 amino acids and has a predicted molecular mass of 35.8 kDa as estimated in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.41. 5 % trehalose and mannitol are added as protectants before lyophilization.2. Please contact us for any concerns or special requirements.

Usage Guide

Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE

KDa	М		
116	-		
66.2	-		
45.0	-		
35.0	-	-	
25.0	-		
18.4	_		
14.4	-		

Mouse ACP5 / TRAP Protein (His Tag) SDS-PAGE

