

Recombinant Mouse ACP5 protein(Met1-Pro327), His-tagged

Cat. No. Acp5-928M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ACP5 (NP_031414.1) (Met 1-Pro 327) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-327 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to cleave a substrate, p-Nitrophenyl phosphate (pNPP). The specific activity is >9, 000 pmoles/min/μg.
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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Acp5 acid phosphatase 5, tartrate resistant [*Mus musculus*]

Official Symbol ACP5

Synonyms

ACP5; acid phosphatase 5, tartrate resistant; tartrate-resistant acid phosphatase type 5; TR-AP; trATPase; acid phosphatase type V; type 5 acid phosphatase; tartrate-resistant acid ATPase; TRAP; TRACP;

Gene ID 11433

mRNA Refseq NM_001102404

Protein Refseq NP_001095874

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