

Recombinant Mouse Acp1 Protein, His-tagged

Cat. No. Acp1-45M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Acp1 Protein (Met1-Tyr158) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Tyr158
Description	Enables acid phosphatase activity. Predicted to be involved in protein dephosphorylation. Located in cytosol and sarcolemma. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; integumental system; and sensory organ. Human ortholog(s) of this gene implicated in several diseases, including attention deficit hyperactivity disorder; conduct disorder; diabetes mellitus (multiple); diabetic retinopathy; and obesity. Orthologous to human ACP1 (acid phosphatase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.6 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
GENE INFORMATION	
Gene Name	Acp1 acid phosphatase 1, soluble [Mus musculus (house mouse)]
Official Symbol	Acp1
Synonyms	ACP1; acid phosphatase 1, soluble; low molecular weight phosphotyrosine protein phosphatase; LMW-PTPase; low molecular weight cytosolic acid phosphatase; Acp-1; LMW-PTP; AI427468; 4632432E04Rik; MGC103115; MGC132904
Gene ID	11431
mRNA Refseq	NM_001110239
Protein Refseq	NP_001103709
UniProt ID	Q9D358