

Recombinant Rat Acp1 protein, His-tagged

Cat. No. Acp1-5710R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Acp1 aa. (Met1~His158 (Accession # P41498)) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~His158
Description	Catalyzes the hydrolysis of p-nitrophenyl phosphate; may play a role in synaptic transmission.
Form	Freeze-dried powder
Molecular Mass	19 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37°C 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°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer

Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name

[Acp1 acid phosphatase 1, soluble \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol

[Acp1](#)

Synonyms

Acp1; acid phosphatase 1, soluble; low molecular weight phosphotyrosine protein phosphatase; LMW-PTP-I low molecular weight phosphotyrosine protein phosphatase isozyme 1; LMW-PTPase; low molecular weight cytosolic acid phosphatase

Gene ID

[24161](#)

mRNA Refseq

[NM_021262.2](#)

Protein Refseq

[NP_067085.1](#)

UniProt ID

[P41498](#)

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