

Recombinant Rat Pth protein, His & MBP-tagged

Cat. No. Pth-569R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pth (P04089) aa. (Ala32~Gln115) fused with His & MBP tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ala32~Gln115
Description	This protein regulates osteoblast proliferation and differentiation; involved in G-protein coupled receptor mediated adenylate cyclase activation.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.4kDa; Accurate Molecular Mass: 59kDa as determined by SDS-PAGE reducing conditions.
Purity	>92%
Characteristic	Isoelectric point is 5.8.
Applications	Cell culture; Activity Assays; In vivo assays.
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°C for 48h,

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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

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name

Pth parathyroid hormone [*Rattus norvegicus* (Norway rat)]

Official Symbol

Pth

Synonyms

Pth; parathyroid hormone; Pth1; Pthr1; PTH-(1-84); hypothalamic parathyroid hormone; parathyrin

Gene ID

24694

mRNA Refseq

NM_017044.1

Protein Refseq

NP_058740.1

UniProt ID

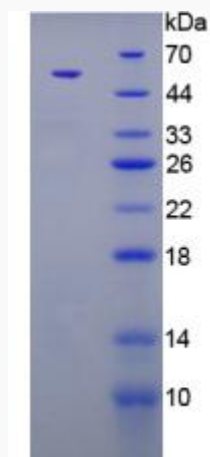
P04089

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SDS-PAGE



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