

Recombinant Mouse Pthlh protein, His-tagged

Cat. No. Pthlh-7767M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pthlh aa. (Ala37~His175) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ala37~His175
Description	This gene encodes a member of the parathyroid family of hormones that possesses distinct paracrine and intracrine signaling roles such as regulation of circulating calcium, transplacental calcium transport, osteoclast inhibition, renal bicarbonate excretion and regulation of apoptosis. The encoded protein undergoes proteolytic processing to generate multiple active peptides with distinct signaling functions. The homozygous deletion of this gene leads to death shortly after birth with a chondrodystrophic phenotype characterized by premature chondrocyte differentiation and accelerated bone formation.
Form	Freeze-dried powder
Molecular Mass	18&19kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>98%

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Characteristic	The isoelectric point is 10.1.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.
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, 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.
Concentration	200µg/mL
Storage buffer	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Reconstitution	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Pthlh parathyroid hormone-like peptide [<i>Mus musculus</i> (house mouse)]
Official Symbol	Pthlh
Synonyms	PLP; Pthrp; PTH-like; PTH-related peptide; parathyroid hormone-like hormone; parathyroid hormone-like protein; parathyroid hormone-related peptide; parathyroid hormone-related protein
Gene ID	19227

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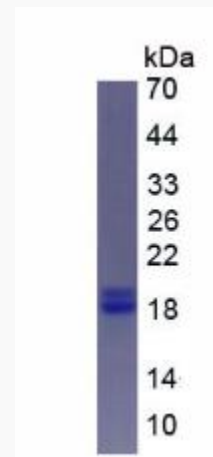
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mRNA Refseq [NM_008970.4](#)

Protein Refseq [NP_032996.2](#)

UniProt ID [Q540C1](#)

SDS-PAGE



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