

Recombinant Human PTHLH protein, His/S-tagged

Cat. No. PTHLH-113H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTHLH protein (Ala37-His177), fused to His/S-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	193
Description	The protein encoded by this gene is a member of the parathyroid hormone family. This hormone, via its receptor, PTHR1, regulates endochondral bone development and epithelial-mesenchymal interactions during the formation of the mammary glands and teeth. It is responsible for most cases of humoral hypercalcemia of malignancy, and mutations in this gene are associated with brachydactyly type E2 (BDE2). Alternatively spliced transcript variants have been found for this gene. There is also evidence for alternative translation initiation from non-AUG (CUG and GUG) start sites, downstream of the initiator AUG codon, resulting in nuclear forms of this hormone.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative.
Molecular Mass	21.7kDa
AA Sequence	MHHHHHHSSGLVPRGSGMKETAAAKFERQHMDSPDLGTDDDDKAMADIGSEFAV

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SEHQLLHDKGKSIQDLRRRFFLHHLIAEIHTAEIRATSEVSPNSKPSPNTKNHPVRFG
SDDEGRYLTQETNKVETYKEQPLKTPGKKKKGKPGKRKEQEKKKRRTRSAWLDSG
VTGSGLEGDHLSDTSTTSLELDSRRH

Endotoxin <1.0 EU per 1g (determined by the LAL method).

Purity >95%

Applications SDS-PAGE; WB; ELISA; IP.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

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

GENE INFORMATION

Gene Name PTHLH

Official Symbol PTHLH

Synonyms HHM; PLP; BDE2; PTHR; PTHRP

Gene ID 5744

mRNA Refseq NM_198965.2

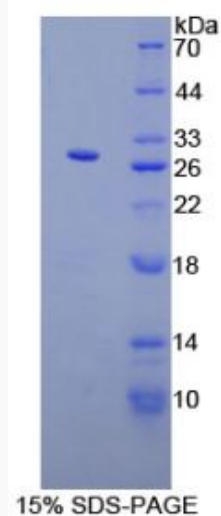
Protein Refseq NP_945316.1

MIM 168470

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