

Recombinant Human PTHLH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PTHLH-6703H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTHLH MS Standard C13 and N15-labeled recombinant protein (NP_002811) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	19.9 kDa
AA Sequence	MQRRLVQQWSVAVFLLSYAVPSCGRSVEGLSRRLKRAVSEHQLLHDKGKSIQDLR RRFFLHHLIAEIHAEIRATSEVSPNSKPSNTKNHPVRFGSDDEGRYLTQETNKVET YKEQPLKTPGKKKKGKPGKRKEQEKKKRRTSAWLDSGVTGSGLEGDHLSDTSTT SLELDSRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PTHLH parathyroid hormone-like hormone [Homo sapiens (human)]
Official Symbol	PTHLH
Synonyms	PTHLH; parathyroid hormone-like hormone; parathyroid hormone-related protein; HHM; osteostatin; PLP; PTHR; PTHRP; PTH-rP; PTH-related protein; parathyroid hormone-like related protein; BDE2; MGC14611;
Gene ID	5744
mRNA Refseq	NM_002820
Protein Refseq	NP_002811
MIM	168470
UniProt ID	P12272

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SDS-PAGE

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