

Recombinant Human PTHLH

Catalog # FL033

Product Specifications

Appearance	Sterile filtered White lyophilized (freeze-dried) powder.
Purity	> 98% by SDS-PAGE or HPLC.
Endotoxin	< 0.01 EU/μg of rHuPTHrP protein as determined by LAL method.
Expression System	Expressed in E. coli.
Species	Human
Tag	Tag free.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, with 300 mM NaCl, pH 6.0.
Reconstitution	Before use this product, please read the direction below carefully. This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.
Accession #	P12272 Ala37-Pro122
Amino acid sequence	AVSEHQLLHDKGKSIQDLRRRFFLHHLIAEIHTAEIRATSEVSPNSKPSNTKNHPVRFSGSDDEGRYLTQETNKVETYKEQPLKTP
Molecular weight	Approximately 9.9 kDa, a single non-glycosylated polypeptide chain containing 86 amino acids.
Synonyms	Parathyroid Hormone-related Protein
Stability & Storage	Shipped on wet ice. For long term storage, the product should be stored ≤ -20°C. Please avoid repeated freeze-thaw cycles after reconstitution. 36 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.
Precautions	Recombinant Human PTHLH is for research use only and not for use in diagnostic or therapeutic procedures.

Background

PTHrP, also named parathyroid hormone-related protein, is belonging to the parathyroid hormone family. PTHrP is expressed in cancer cells (breast cancer, certain types of lung cancer including squamous cell lung carcinoma). The receptor for PTHrP is PTHR1. PTHrP plays a central role in regulating the hypercalcemia. PTHrP shares 86% a.a. identity with murine PTHLH. Recombinant human PTHrP is a 9.9kDa protein consisting of 86 amino acids.