Recombinant Human Parathyroid Hormone-related Protein, ^{15}N Stable Isotope Labeled (rHuPTHrP, ^{15}N)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	301-07N
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 10033 Da, a single non-glycosylated polypeptide chain containing 86 amino acids. ^{15}N stable isotope labeled.
Quantity:	5μg /25μg /1000μg
AA Sequence:	AVSEHQLLHD KGKSIQDLRR RFFLHHLIAE IHTAEIRATS EVSPNSKPSP NTKNHPVRFG SDDEGRYLTQ ETNKVETYKE QPLKTP
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Data not available.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 μm filtered concentrated solution in 10 mM PB, pH 6.0, 300 mM NaCl.
Endotoxin:	Less than 0.1 EU/μg of rHuPTHrP, ^{15}N as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 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.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 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.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. **NOT FOR HUMAN USE**.

Human Parathyroid Hormone-related Protein

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. Recombinant human PTHrP (^{15}N Stable Isotope Labeled) is a 10.0 kDa linear polypeptide of 86 amino acid residues and it shares 86 % a.a. identity with murine PTHLH.

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