
Product Data Sheet

Product Name: PTHrP Human
 Cat. No.: GP21302
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Parathyroid Hormone 2; PTH2; TIPF39; Tuberoinfundibular 39 Residue Protein.		
Amino Acid Sequence	AVSEHQLLHD KGKSIQDLRR RFFLHHLIAE IHTAEIRATS EVSPNSKPSP NTKNHPVRFV SDDEGRYLTQ ETNKVETYKE QPLKTP.		
Solubility	It is recommended to reconstitute the lyophilized PTHrP in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	PthRp protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.		

Introduction

PTHrP is a powerful and discriminating agonist of PTH2R which takes part in adenylyl cyclase activation and intracellular calcium levels elevation. PTHrP encourages protein kinase C beta activation, recruitment of beta-arrestin and PTH2R internalization. Additionally, PTHrP inhibits cell proliferation through its contribution to PTH2R activation, activates nociceptors and nociceptive circuits and acts as a neuropeptide in spermatogenesis.

Stability

Lyophilized PTHrP although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution PTHrP should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

PTHrP Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 86 amino acids, having an MW of 9.9kDa. The PTHrP is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA