

## 32-2076: PTHrP Recombinant Protein

**Alternative Name :** Parathyroid Hormone 2,PTH2,TIPF39,Tuberoinfundibular 39 Residue Protein.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

<b>Amount :</b>	50 µg
<b>Purification :</b>	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	PthRp protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	AVSEHQLLHD KGKSIQDLRR RFFLHHLIAE IHTAEIRATS EVSPNSKPSP NTKNHPVRFV SDDEGRYLTQ ETNKVETYKE QPLKTP.

### Application Note

It is recommended to reconstitute the lyophilized PTHrP in sterile 18MΩ·cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.