

32-2077: PTHrP N15 Recombinant Protein

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

Description

Source : Escherichia Coli. PTHrP N15 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 86 amino acids, having an MW of 10033 Da labeled by the stable isotope N15. 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

Amount :	20 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	PthRp N15 protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.
Storage condition :	Lyophilized PTHrP N15 although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution PTHrP N15 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.
Amino Acid :	AVSEHQLLHD KGKSIQDLRR RFFLHHLIAE IHTAEIRATS EVSPNSKPSP NTKNHPVRFV SDDEGRYLTQ ETNKVETYKE QPLKTP.

Application Note

It is recommended to be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 10mM HAc to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.