

## Parathyroid Hormone Active Protein | PTH active protein

Recombinant Human Parathyroid Hormone (1-84)

|                              |                                  |
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| CATALOG #<br><b>AAA10826</b> | HOST<br><b>Escherichia Coli.</b> |
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### PRODUCT SYNONYMS

Parathyroid Hormone; Recombinant Human Parathyroid Hormone (1-84); PTH (1-84) Human; Parathyroid Hormone (1-84) Human Recombinant; Parathyrin; PTH; Parathormone; PTH (1-84); PTH active protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Escherichia Coli.                                                                                                                                                                                                                                                                                                                        |
| Purity/Purification     | Greater than 97.0% as determined by:<br>(a) Analysis by RP-HPLC<br>(b) Analysis by SDS-PAGE.                                                                                                                                                                                                                                             |
| Form/Format             | Lyophilized from a 0.2um filtered concentrated solution in PBS pH7.4                                                                                                                                                                                                                                                                     |
| Sequence                | SVSEIQLMHN LGKHLNSMER VEWLRRKKLQD VHNFVALGAP LAPRDAGSQR PRKKEDNVLV ESHEKSLGEA<br>DKADVNVLTAKSQ                                                                                                                                                                                                                                           |
| Sequence Length         | 115                                                                                                                                                                                                                                                                                                                                      |
| Physical Appearance     | Sterile Filtered White lyophilized (freeze-dried) powder.                                                                                                                                                                                                                                                                                |
| Solubility              | It is recommended to reconstitute the lyophilized Parathormone in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.                                                                                                                                                       |
| Biological Activity     | Fully biologically active when compared to standard. The ED50 as determined by its ability to induce cAMP accumulation in murine MC3T3E1 cells is less than 50ng/ml, corresponding to a specific activity of $> 2.0 \times 10^4$ Units/mg.                                                                                               |
| Preparation and Storage | Lyophilized Parathyrin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PTH should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. |

### ADDITIONAL INFORMATION

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|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PTH active protein | Description: Parathyroid Hormone 1-84 (full length) Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 84 amino acids, having an MW of ~9.4kDa. The PTH is purified by proprietary chromatographic techniques |
| Product Categories/Family for PTH active protein   | <a href="#">Hormones</a> ; <a href="#">Hormones</a> ; <a href="#">PTH</a>                                                                                                                                                                                   |

### NCBI AND UNIPROT INFORMATION

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| NCBI GI #                 | 4506267                                                                  |
| NCBI GeneID               | 5741                                                                     |
| NCBI Accession #          | <a href="#">NP_000306.1</a>                                              |
| NCBI GenBank Nucleotide # | <a href="#">NM_000315.2</a>                                              |
| UniProt Accession #       | <a href="#">P01270</a> ; <a href="#">Q4VB48</a> ; <a href="#">Q9UD38</a> |

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| NCBI Official Full Name          | parathyroid hormone preproprotein                                                                           |
| NCBI Official Synonym Full Names | parathyroid hormone                                                                                         |
| NCBI Official Symbol             | PTH                                                                                                         |
| NCBI Official Synonym Symbols    | PTH1                                                                                                        |
| NCBI Protein Information         | parathyroid hormone; parathormone; parathyrin; parathyroid hormone 1; prepro-PTH; preproparathyroid hormone |
| UniProt Protein Name             | Parathyroid hormone                                                                                         |
| UniProt Gene Name                | <b>PTH</b>                                                                                                  |
| UniProt Synonym Gene Names       | PTH                                                                                                         |
| UniProt Entry Name               | PTHY_HUMAN                                                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/escherichia-coli-ptb-active-protein/parathyroid-hormone/10826>