

Parathyroid Hormone Active Protein | PTH active protein

Recombinant Human Parathyroid Hormone (7-34)

CATALOG # AAA38562	HOST E Coli
------------------------------	-----------------------

PRODUCT SYNONYMS

Parathyroid Hormone; Recombinant Human Parathyroid Hormone (7-34); PTH (7-34) Human; Parathyroid Hormone (7-34) Human Recombinant; PTH/PTHrP receptor antagonist; PTHrP analog; PTHR; MGC138426; MGC138452; PTH (7-34); PTH active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The protein (1 mg/ml) was lyophilized after extensive dialyses against 20mM PBS pH-7.0 and 150mM NaCl. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	LMHNLGKHLN SMERVEWLRK KLQDVHNF
Sequence Length	593
Solubility	It is recommended to reconstitute the lyophilized PTH in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The activity calculated by UMR106 cell/cAMP method corresponding to a specific activity of 10,000 Units/mg.
Preparation and Storage	Lyophilized Parathyrin although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution PTH should be stored at 4 degree C between 2-7 days and for future use below -18 degree 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

Related Product Information for PTH active protein	Description: Parathyroid Hormone Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 28 amino acids and having a molecular mass of 3380 Dalton. The PTH is purified by proprietary chromatographic techniques. Introduction: Polypeptide hormones secreted by the parathyroid glands, which promote release of calcium from bone to extracellular fluid by activating osteoblasts and inhibiting osteoclasts, indirectly promote increased intestinal absorption of calcium, and promote renal tubular reabsorption of calcium and increased renal excretion of phosphates. It is a major regulator of bone metabolism. Secretion of parathyroid hormone increases when the level of calcium in the extracellular fluid is low. Its action is opposed by calcitonin. PTH (7-34), which is a PTH/PTHrP receptor antagonist, can stimulate hair growth and epidermal proliferation in mice.
Product Categories/Family for PTH active protein	Hormones; Hormones; PTH

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506271
NCBI GeneID	5745
NCBI Accession #	NP_000307.1
NCBI GenBank Nucleotide #	NM_000316.2

UniProt Accession #	Q03431 ; Q2M1U3
Molecular Weight	66,361 Da
NCBI Official Full Name	parathyroid hormone/parathyroid hormone-related peptide receptor
NCBI Official Synonym Full Names	parathyroid hormone 1 receptor
NCBI Official Symbol	PTH1R
NCBI Official Synonym Symbols	PFE; PTHR; PTHR1
NCBI Protein Information	parathyroid hormone/parathyroid hormone-related peptide receptor; PTH/PTHr receptor; PTH/PTHrP type I receptor; PTH1 receptor; parathyroid hormone receptor 1; parathyroid hormone/parathyroid hormone-related protein receptor; seven transmembrane helix receptor
UniProt Protein Name	Parathyroid hormone/parathyroid hormone-related peptide receptor
UniProt Gene Name	PTH1R
UniProt Synonym Gene Names	PTHR; PTHR1; PTH/PTHr receptor; PTH1 receptor
UniProt Entry Name	PTH1R_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-ptb-active-protein/parathyroid-hormone/38562>