

Parathyroid Hormone Recombinant Protein | PTH recombinant protein

Parathyroid Hormone, 32-115 aa, Human, E Coli

CATALOG # AAA48454	HOST E Coli	APPLICATIONS SDS-Page
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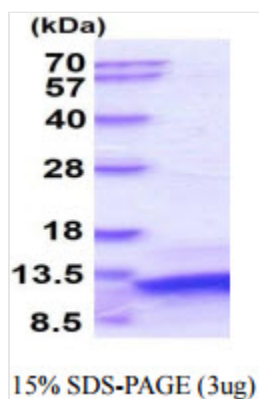
PRODUCT SYNONYMS

Parathyroid Hormone; 32-115 aa; Human; E Coli; PTH; Human Parathyroid Hormone; Parathyrin; Parathormone; Parathyroid hormone; hPTH; ; PTH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) containing 2mM EDTA
Concentration	1 mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	MSVSEIQLMH NLGKHLNSME RVEWLRKKLQ DVHNFVALGA PLAPRDAGSQ RPRKKEDNVL VESHEKSLGE ADKADVNVLT KAKSQ
Sequence Length	115
Applicable Applications for PTH recombinant protein	SDS-PAGE
Antigen Species	Human
Endotoxin Level	< 1 EU per 1ug of protein (determined by LAL method)
Domain	32-115aa
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for PTH recombinant protein	Human parathyroid hormone (hPTH) is an 84 amino acid residue peptide and one of the main regulators in maintenance of calcium homeostasis. It acts primarily on kidney and bone cells stimulating calcium back resorption or calcium mobilization, respectively. The whole mechanism is still under discussion, but low-dose hPTH triggers cyclic AMP-dependent protein kinase in some populations of bone cells bearing PTH receptors, which stimulates the proliferation of osteoblasts. Human parathyroid hormone (amino acids 1-84) was overexpressed in E. coli and purified to apparent homogeneity by using conventional column chromatography techniques
Product Categories/Family for PTH recombinant protein	Hormones & Cytokines
References	Hodsmen AB. et al. (2003) J. Clin. Endocrinol. Metab. 88 (11), 5212-20.; Wingender E., et al. (1989) J. Biol. Chem. 264 (8),4367-73.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506267
NCBI GeneID	5741
NCBI Accession #	NP_000306
NCBI GenBank Nucleotide #	NM_000315.3
UniProt Accession #	P01270; Q4VB48; Q9UD38
Molecular Weight	9.55 kDa (85 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	parathyroid hormone isoform 1 preproprotein
NCBI Official Synonym Full Names	parathyroid hormone
NCBI Official Symbol	PTH
NCBI Official Synonym Symbols	PTH1
NCBI Protein Information	parathyroid hormone
UniProt Protein Name	Parathyroid hormone
UniProt Gene Name	PTH
UniProt Synonym Gene Names	PTH

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/pth-recombinant-protein-e-coli-sds-page/48454>