

PTH active protein

Recombinant Human PTH

CATALOG #
AAA214250

HOST
E Coli

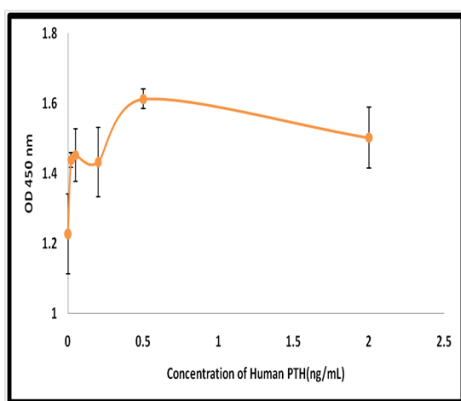
PRODUCT SYNONYMS

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

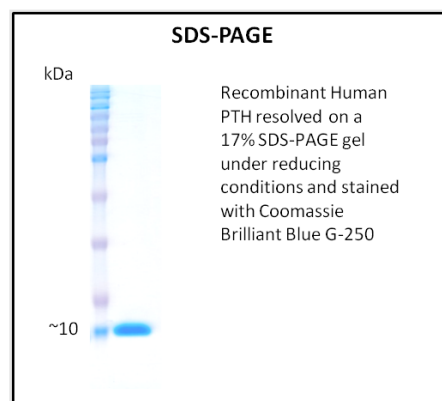
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS
Sequence Length	115
Bioactivity	The ED(50) was determined by the dose-dependent proliferation of Immortalized Human Osteoblasts-SV40 and was found to be <0.5ng/mL.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for PTH active protein

Parathyroid hormone is a circulating hormone that acts as the central regulator of calcium metabolism by directly targeting bone, kidney, and intestine. The classical concept of PTH action is that it regulates serum calcium levels by stimulating bone resorption. However, intermittent administration of PTH selectively stimulates bone formation. It is now known that PTH binds to its receptor PTH1R, and activates the G protein alpha subunits. Besides PKA and PKC activation, PTH also regulates MAPKs including p42/p44 ERKs, p38, and c-Jun N-terminal kinase subtypes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506267
NCBI GeneID	5741
NCBI Accession #	NP_000306.1
NCBI GenBank Nucleotide #	NP_000306.1
UniProt Accession #	P01270
Molecular Weight	9.0 kDa
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
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/e-coli-active-protein/pth/214250>