

Datasheet for ABIN7275497

## PTH Protein (AA 32-115) (Fc Tag)



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### 2 Images

#### Overview

Quantity:	100 µg
Target:	PTH
Protein Characteristics:	AA 32-115
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTH protein is labelled with Fc Tag.

#### Product Details

Purpose:	Human PTH Protein
Sequence:	Ser32-Gln115
Characteristics:	Recombinant Human PTH Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Ser32-Gln115.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	PTH
Alternative Name:	PTH ( <a href="#">PTH Products</a> )

## Target Details

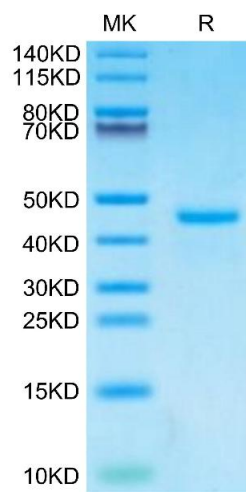
Target Type:	Hormone
Background:	Parathyroid hormone (PTH) is an 84-amino-acid peptide hormone that is secreted by the parathyroid gland. It has different administration modes in bone tissue through which it promotes bone formation (intermittent administration) and bone resorption (continuous administration) and has great potential for application in sbone defect repair.
Molecular Weight:	34.95 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P01270</a>
Pathways:	<a href="#">cAMP Metabolic Process</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>

## Application Details

Restrictions:	For Research Use only
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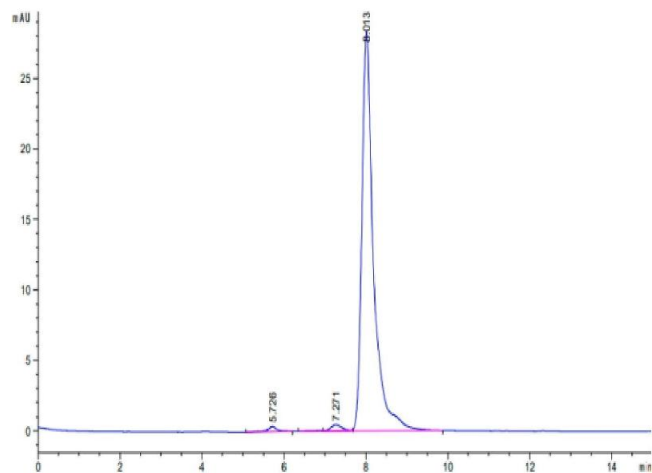
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,4-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Human PTH on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human PTH is greater than 95 % as determined by SEC-HPLC.