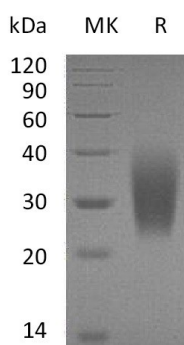


## Summary

<b>Name</b>	Parathyroid hormone 1 receptor/PTH1R
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Parathyroid Hormone 1 Receptor is produced by our Mammalian expression system and the target gene encoding Tyr23-Met189 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	Q0VGD7
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	20.2 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

**Product Name: Recombinant Human PTH1R (C-6His)**  
**Catalog #: PHH1263**



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**Alternative Names**

Parathyroid hormone 1 receptor;PTH1R

**Background**

Parathyroid hormone 1 receptor(PTH1R) is a multi-pass membrane protein. The protein is expressed in high levels in bone and kidney and regulates calcium ionhomeostasis through activation of adenylate cyclase and phospholipase C. In bone, it is expressed on the surface of osteoblasts. When the receptor is activated through PTH binding, osteoblasts express RANKL (Receptor Activator of Nuclear Factor kB Ligand), which binds to RANK (Receptor Activator of Nuclear Factor kB) on osteoclasts. This turns on osteoclasts to ultimately increase the resorption rate.

**Note**

For Research Use Only , Not for Diagnostic Use.