

Datasheet for ABIN7318865 **PTH1R Protein (His tag)**



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Overview

Quantity:	50 µg
Target:	PTH1R
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTH1R protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PTH1R Protein (Gly49, His Tag)
Sequence:	Tyr23-Met 189
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PTH1R
Alternative Name:	PTH1R (PTH1R Products)
Background:	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

Target Details

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 κ B Ligand), which binds to RANK (Receptor Activator of Nuclear Factor κ B) on osteoclasts. This turns on osteoclasts to ultimately increase the resorption rate.

Synonym: Parathyroid hormone/parathyroid hormone-related peptide receptor,PTH/PTHrP type I receptor,PTH/PTHr receptor,Parathyroid hormone 1 receptor,PTH1 receptor,PTH1R

Molecular Weight:	20.2 kDa
UniProt:	Q0VGD7
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.