

Recombinant Human PTH1R protein, His-tagged

Cat. No. PTH1R-7006H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTH1R (Asp27-Gly188) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Asp27-Gly188
Description	Parathyroid hormone/parathyroid hormone-related peptide receptor is also known as Parathyroid hormone 1 receptor (PTH1R), PTHR1, PTH/PTHrP type I receptor (PTH/PTHr receptor), which belongs to the G-protein coupled receptor 2 family. PTH1R/PTHR1 is a receptor for parathyroid hormone and for parathyroid hormone-related peptide. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system.
Predicted N Terminal	Asp27
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 19.3 kDa. The protein migrates as 27-43 kDa under reducing (R) condition (SDS-PAGE) due to different glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>85% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	PTH1R
Official Symbol	PTH1R
Synonyms	PTH1R; parathyroid hormone 1 receptor; parathyroid hormone receptor 1 , PTHR, PTHR1; parathyroid hormone/parathyroid hormone-related peptide receptor; PTH1 receptor; PTH/PTHr receptor; PTH/PTHrP type I receptor; parathyroid hormone receptor 1; seven transmembrane helix receptor; parathyroid hormone/parathyroid hormone-related protein receptor; PFE; PTHR; PTHR1; MGC138426; MGC138452
Gene ID	5745
mRNA Refseq	NM_000316
Protein Refseq	NP_000307
MIM	168468

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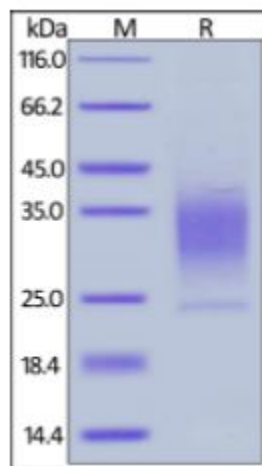
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UniProt ID

Q03431

SDS-PAGE of
PTH1R-7006H



Human PTH1R, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 85%.

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