

Product Information

Recombinant Human PTH1R protein, His-tagged

Product Information

Catalog#	MK0622H
Product Name	Recombinant Human PTH1R protein, His-tagged
Product Overview	Recombinant Human PTH1R (Asp27-Gly188) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293 cells).
Description	PTH1R is a multi-pass membrane protein which belongs to the G-protein coupled receptor 2 family. PTH1R is expressed in most tissues. It is most abundant in kidney, bone and liver. PTH1R is expressed in high levels in bone and kidney and regulates calcium ion homeostasis through activation of adenylate cyclase and phospholipase C. In bone, PTH1R is expressed on the surface of osteoblasts.
Source	HEK293 cells
Species	Human
Tag	His
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH7.4, 10% trehalose.
Protein length	Asp27-Gly188
Purity	>85 % as determined by SDS-PAGE.
Storage	Store under sterile conditions at -20°C to -80°C. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/mL. Centrifuge the vial at 4°C before opening to recover the entire contents.
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 as determined by the LAL method.
Notes	Research Use Only. Not for use in clinical procedures. Avoid repeated freeze-thaw cycles.