

PRODUCT INFORMATION

\$hasAttributeValueDescription in C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-print-commerce-print-products-public.php on line 2806 Tag

Human PTH1R-Strep full length protein-synthetic nanodisc

Delivery Uniprot ID 003431 HEK293 **Expression Host**

Protein Families Druggable Genome, GPCR, Transmembrane Protein Pathways Neuroactive ligand-receptor interaction

Molecular Weigh The human full length PTH1R-Strep protein has a MW of 66.4 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Formulation & Reconstitution

Storage & Shipping

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized form after are shipped at ambient temperature.

This protein is a receptor for parathyroid hormone (PTH) and for parathyroid hormone-like hormone (PTHLH). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinostol-calcium second messenger system. Defects in this receptor are known to be the cause of planers's metaphyseal chordrodysplasia (IMC), Chondrodysplasia (BOCT), as well 60°CD), as well enchodromatosis.

Usage earch use only Conjugate Unconjugated

ELISA assay to evaluate PTH1R-Strep-Nanodisc 0.2µg Human PTH1R-Strep-Nanodisc per well

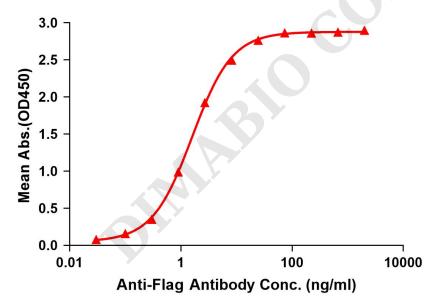
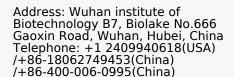


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag PTH1R-Strep-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with PTH1R-Strep-nanodisc is 1.603ng/ml.

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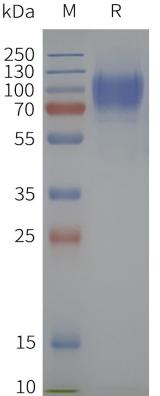


Figure 2. Human PTH1R-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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