

Product Information

MemDX™ Membrane Protein Human PTH2R (Parathyroid hormone 2 receptor) Expressed *in vitro* *E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX2881K**

This product is for research use only and is not intended for diagnostic use.

This product is a Human PTH2R membrane protein expressed *in vitro* *E.coli* expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

PTH2R

Protein Length

Full Length of Mature Protein

Protein Class

GPCR

TMD

7

Sequence

DSDGTITIEEQIVLVAKVQCELNITAQLQEGEGNCFPEWDGLICWPRGTVGKISAVPCPPYIYDFNHKGVAFRHCNPNGTWDFM

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis and SUMO tag

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

PTH2R

Full Name

Parathyroid hormone 2 receptor

Introduction

The protein encoded by this gene is a member of the G-protein coupled receptor 2 family. This protein is a receptor for parathyroid hormone (PTH). This receptor is more selective in ligand recognition and has a more specific tissue distribution compared to parathyroid hormone receptor 1 (PTH1R). It is activated only by PTH and not by parathyroid hormone-like hormone (PTHrP) and is particularly abundant in brain and pancreas. Alternative splicing results in multiple transcript variants.

Alternative Names

PTH2R; PTH1R; parathyroid hormone 2 receptor; PTH2 receptor; parathyroid hormone receptor 2; Parathyroid hormone 2 receptor

Gene ID

[5746](#)

UniProt ID

[P49190](#)