

Product Information

MemDX™ Membrane Protein Human PTH1R (Parathyroid hormone 1 receptor) Expressed in CHO for Antibody Discovery, Partial (23-189aa)

Cat. No.: **MPX0047K**

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

This product is a 20.0 kDa Human PTH1R membrane protein expressed in CHO. 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

PTH1R

Protein Length

Partial (23-189aa)

Protein Class

GPCR

Molecular Weight

20.0 kDa

TMD

7

Sequence

YALVDADDVMTKEEQIFLLHRAQAQCEK
RLKEVLQRPASIMESDKGWTSASTSGKPRKDKASGKLYPESEEDKEAPTG
SRYRGRPCLPEWDHILCWPLGAPGEVAVPCPDYIYDFNHKGHAYRRCDR
NGSWELVPGHNRTWANYSECVKFLTNETREREVFDR LGM

Product Description

Expression Systems

CHO

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 250 µg/mL in PBS.

Endotoxin

<0.1 EU/µg by the LAL method

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

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**

PTH1R

Full Name

Parathyroid hormone 1 receptor

Introduction

The protein encoded by this gene is a member of the G-protein coupled receptor family 2. This protein is a receptor for parathyroid hormone (PTH) and for parathyroid hormone-like hormone (PTHrP). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. Defects in this receptor are known to be the cause of Jansen's metaphyseal chondrodysplasia (JMC), chondrodysplasia Blomstrand type (BOCD), as well as enchondromatosis. Two transcript variants encoding the same protein have been found for this gene.

Alternative Names

PFE; EKNS; PTHR; PTHR1; parathyroid hormone/parathyroid hormone-related peptide receptor; PTH/PTHrP receptor; PTH/PTHrP type I receptor; PTH1 receptor; parathyroid hormone receptor 1; parathyroid hormone/parathyroid hormone-related protein receptor; seven transmembrane helix receptor; PTH1R; Parathyroid hormone 1 receptor

Gene ID

[5745](#)

UniProt ID

[Q03431](#)