

Product Information

MemDX™ Membrane Protein Human PTH1R (Parathyroid hormone 1 receptor) Full Length

Cat. No.: **MPC0232K**

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

This product is a 66.3 kDa Human PTH1R membrane protein expressed in Baculovirus/Insect 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

PTH1R

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

66.3 kDa

TMD

7

Sequence

MGTARIAPGLALLLCCPVLSSAYALVDADDVMTKEEQIFLLHRAQAQCEK
RLKEVLQRPASIMESDKGWTSASTSGKPRKDKASGKLYPESEEDKEAPTG
SRYRGRPCLPEWDHILCWPLGAPGEVAVPCPDYIYDFNHKGHAYRRCDR
NGSWELVPGHNRTWANYSECVKFLTNETREREVFDRLGMIYTVGYSVSLA
SLTVAVLILAYFRRLHCTRNYIHMHLFLSFMLRAVSIFVKDAVLYSGATL
DEAERLTEEELRAIAQAPPPATAAAGYAGCRVAVTFFLYFLATNYYWIL
VEGLYLHSLIFMAFFSEKKYLWGFTVFGWGLPAVFVAVWVSVRATLANTG
CWDLSSGNKKWIIQVPILASIVLNFILFINIVRVLATKLRETNAGRCDTR
QQYRKLLKSTLVLMPLFGVHYIVFMATPYTEVSGTLWQVQMHYEMLFNSF
QGFFVAIIYCFCNAGEVQAEIKKSWSRWTLALDFKRKARSGSSSYSGPMV
SHTSVTNVGPVRVGLPLSPRLPTATTNGHPQLPGHAKPGTPALETLET
TPPAMAAPKDDGLNGSCSGLDEEASGPERPPALLQEEWETVM

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

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](#)