

Product Information

MemDX™ Membrane Protein Human CALCR (Calcitonin receptor) Full Length

Cat. No.: **MPC0044K**

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

This product is a 55.3 kDa Human CALCR 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

CALCR

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

55.3 kDa

TMD

7

Sequence

MRFTFTSRCLALFLLLNHPTPILPAFSNQTYPTIEPKPFLYVVGRRKMMD
AQYKCYDRMQQLPAYQGEGPYCNRTWDGWLCWDDTPAGVLSYQFCPDYFP
DFDPSEKVTKYCDEKGVWFKHPENNRTWSNYTMCNAFTPEKLKNAYVLYY
LAIVGHSLSIFTLVISLGIFVFFRSLGCQRVTLHKNMFLTYILNSMIIII
HLVEVVPNGELVRRDPVSKILHFFHQYMMACNYFWMLCEGIYLHTLIVV
AVFTEKQRLRWYYLLGWGFPLVPTTIHAITRAVYFNDNCWLSVETHLLYI
IHGPVMAALVWNFFLLNIVRVLVTKMRETHEAESHMYLKAVKATMILVP
LLGIQFVVPWRPSNKMMLGKIYDYVMHSLIHFQGGFFVATYICFCNNEVQT
TVKRQWAQFKIQWNQRWGRRPSNRSARAAAAAAEAGDIPYICHQEPRNE
PANNQGEESAEIIPLNIIQEQUSSA

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag tag at N-terminal and 8xHis tag at C-terminal

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

CALCR

Full Name

Calcitonin receptor

Introduction

This gene encodes a high affinity receptor for the peptide hormone calcitonin and belongs to a subfamily of seven transmembrane-spanning G protein-coupled receptors. The encoded protein is involved in maintaining calcium homeostasis and in regulating osteoclast-mediated bone resorption. Polymorphisms in this gene have been associated with variations in bone mineral density and onset of osteoporosis. Alternate splicing results in multiple transcript variants.

Alternative Names

CRT; CTR; CT-R; CTR1; CALCR; Calcitonin receptor

Gene ID

[799](#)

UniProt ID

[P30988](#)