

Product Information

MemDX™ Membrane Protein Human CRHR1 (Corticotropin releasing hormone receptor 1)

Full Length

Cat. No.: **MPC0069K**

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

This product is a 50.7 kDa Human CRHR1 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

CRHR1

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

50.7 kDa

TMD

7

Sequence

MGGHPQLRLVKALLLLGLNPVSASLQDQHCESSLASNISGLQCNASVDL
IGTCWPRSPAGQLVVRPCPAFFYGVRYNNTTNGYRECLANGSWAARVNYS
ECQEILNEEKKSQVHYHVAVIINYLGHCSLVALLVAFVLFLRLRPGCTH
WGDQADGALEVGAPWVGAPFQVRRSIRCLRNIIHWNLISAFILRNATWV
VQLTMSPEVHQSNVWGCRLVTAAYNYFHVTNFFWMFGEGCYLHTAIVLTY
STDRLRKWMFICIGWGVFPPIIWAIAIGKLYDNEKCWFGKRPGVYTDYI
YQGPMLVLLINFIFLNFIVRILMTKLRASTTSETIQYRKAVKATLVLLP
LLGITYMLFFVNPGEDEVSRVVFYFNSFLESFQGFVSVFYCFLNSEVR
SAIRKRWHRWQDKHSIRARVARAMSIPTSPTRVSFHSIKQSTAV

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

10xHis 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

CRHR1

Full Name

Corticotropin releasing hormone receptor 1

Introduction

This gene encodes a G-protein coupled receptor that binds neuropeptides of the corticotropin releasing hormone family that are major regulators of the hypothalamic-pituitary-adrenal pathway. The encoded protein is essential for the activation of signal transduction pathways that regulate diverse physiological processes including stress, reproduction, immune response and obesity. Alternative splicing results in multiple transcript variants. Naturally-occurring readthrough transcription between this gene and upstream GeneID:147081 results in transcripts that encode isoforms that share similarity with the products of this gene.

Alternative Names

CRF1; CRHR; CRF-R; CRFR1; CRF-R1; CRFR-1; CRH-R1; CRHR1L; CRF-R-1; CRH-R-1; corticotropin-releasing factor type 1 receptor; seven transmembrane helix receptor; CRHR1; Corticotropin releasing hormone receptor 1

Gene ID

[1394](#)

UniProt ID

[P34998](#)