

Product Information

MemDX™ Membrane Protein Human CRHR2 (Corticotropin releasing hormone receptor 2)

Full Length

Cat. No.: **MPC0070K**

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

This product is a 47.6 kDa Human CRHR2 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

CRHR2

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

47.6 kDa

TMD

7

Sequence

MDAALLHSLLEANCSLALAEELLLDGGPPLDPEGPYSYCNTTLDQIGTC
WPRSAAGALVERPCPEYFNGVKYNTTRNAYRECLNGTWASKINYSQCEP
ILDDKQRKYDLHYRIALVVNYLGHCVSVAALVAFLFLALRSIRCLRNV
IHWNLITTFILRNVMWFLQLVDHEVHESNEVWCRCITTIFNYFVVTNFF
WMFVEGCYLHTAIVMTYSTERLRKCLFLFIGWCIPFPIIWAIGKLYYE
NEQCWFGKEPGDLVDYIYQGPIILVLLINFLNIVRILMTKLRASTTS
ETIQYRKAVKATLVLLPLLGYTMYLFFVNPGEDDLSQLMFIYFNSFLQSF
QGFFVSVFYCFFNGEVRSAVRKRWHRWQDHHSLRVPMARAMSIPTSPTRI
SFHSIKQTAAV

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

MBP 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

CRHR2

Full Name

Corticotropin releasing hormone receptor 2

Introduction

The protein encoded by this gene belongs to the G-protein coupled receptor 2 family, and the subfamily of corticotropin releasing hormone receptor. This receptor shows high affinity for corticotropin releasing hormone (CRH), and also binds CRH-related peptides such as urocortin. CRH is synthesized in the hypothalamus, and plays an important role in coordinating the endocrine, autonomic, and behavioral responses to stress and immune challenge. Studies in mice suggest that this receptor maybe involved in mediating cardiovascular homeostasis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Alternative Names

CRF2; CRFR2; CRF-RB; HM-CRF; CRH receptor 2 variant B; CRH-R2; CRHR2; Corticotropin releasing hormone receptor 2

Gene ID

[1395](#)

UniProt ID

[Q13324](#)