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Product Information

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

Expressed *in vitro E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX3525K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human CRHR2 membrane protein expressed *in vitro E.coli* 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 of Mature Protein

Protein Class
GPCR

TMD
7

Sequence
LAEELLLDGWGPPLDPEGPYSYCNTTLDQIGTCWPRSAAGALVERPCPEYFNGVKYNTTRNAYRECLENGTWASKINYSQCEPILD

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

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

Gene ID

1395

UniProt ID

Q13324