

Product Information

MemDX™ Membrane Protein Human CRHR1 (Corticotropin releasing hormone receptor 1) expressed in E.coli for Antibody Discovery

Cat. No.: **MP1341J**

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

This product is a 37.9 kDa Human CRHR1 membrane protein expressed in E.coli. 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

Partial (24-121aa)

Protein Class

GPCR

Molecular Weight

37.9 kDa

TMD

7

Sequence

SLQDQHCESLSLASNISGLQCNASVDLIGTCWPRSPAGQLVVRPCPAFFYGVRYNNTTNGYRECLANGSWAARVNYSECQEILNE

Product Description

Expression Systems

E.coli

Tag

N-GST

Form

Liquid or Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration).

Purity

>90% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol

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

Storage

Store at +4°C for up to one week or several months at -80°C

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 GenID:147081 results in transcripts that encode isoforms that share similarity with the products of this gene.

Alternative Names

Corticotropin releasing factor type 1 receptor; corticotropin releasing hormone receptor 1; Corticotropin-releasing factor receptor 1; Corticotropin-releasing hormone receptor 1; CRF R; crf receptor 1; crf receptor type 1; crf type 1; CRF-R; CRF-R-1; CRF-R1; CRF1; CRFR; CRFR-1; CRFR1; CRFR1_HUMAN; CRH-R-1; CRH-R1; CRH-R1h; CRHR; Crhr1; CRHR1f; CRHR1L

Gene ID

[1394](#)

UniProt ID

[P34998](#)