

Product Information

NativeExtract™ Human CRHR2 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX286**

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

This product is recombinant Human CRHR2 protein in native nanodisc form. The synthetic compound we developed can solubilize the CRHR2 protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

CRHR2

Protein Length

Full length

Molecular Weight

47.7kDa

Sequence

Accession # [Q13324](#)

Product Description

Activity

Yes

Application

ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems

HEK293 expression system

Tag

Flag tag at the C-terminus

Protein Format

Native Nanodisc

Form

Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

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 may be 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](#)