

# Product Information

## NativeExtract™ Human CRHR1 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX285**

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

This product is recombinant Human CRHR1 protein in native nanodisc form. The synthetic compound we developed can solubilize the CRHR1 protein from membrane while retaining the native structure.

### Product Specifications

#### Host Species

Human

#### Target Protein

CRHR1

#### Protein Length

Full length

#### Molecular Weight

36.6kDa

#### Sequence

Accession # [B3TIK8](#)

### 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**

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**

Corticotropin releasing hormone (CRH)

**Gene ID**

[1394](#)

**UniProt ID**

[B3TIK8](#)