

# Product Information

## MemDX™ Membrane Protein Human CRHR1 (Corticotropin releasing hormone receptor 1) for Antibody Discovery

Cat. No.: **MP0267X**

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

This product is a 74.1 kDa Human CRHR1 membrane protein expressed in *in vitro* wheat germ 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

CRHR1

#### Protein Length

Full-length

#### Molecular Weight

74.1 kDa

#### TMD

7

#### Sequence

MGGHPQLRLVKALLLLGLNPVSASLQDQHCESLSLASNISGLQCNASVDLIGTCWPRSPAGQLVVRPCPAFFYGVRYNTTNGYR

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Form

Liquid

#### Purification

Glutathione Sepharose 4 Fast Flow

**Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

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

**Alternative Names**

CRF-R; CRF1; CRFR1; CRH-R1h; CRHR; CRHR1f; CRF1 receptor isoform I variant B; corticotropin releasing hormone receptor variant 1h; corticotropin-releasing factor receptor, seven transmembrane helix receptor

**Gene ID**

[1394](#)

**UniProt ID**

[P34998](#)