

# Recombinant Full Length Human CRHR1 Protein

**Cat. No.** CRHR1-585HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length Human CRHR1 was expressed in Wheat Germ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 444 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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. Readthrough transcription also exists between this gene and upstream GeneID:401884 (ADP-ribosylation factor 3 pseudogene), and the readthrough transcripts encode isoforms that share similarity with the products of this gene. |
| <b>Form</b>             | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 47.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MGGHPQLRLV KALLLLGLNP VSASLQDQHC ESLSLASNIS GLQCNASVDL<br>IGTCWPRSPA GQLVVRPCPA FFYGVRYNTT NNGYRECLAN GSWAARVNYS<br>ECQEILNEEK KSKVHYHVAV IINYLGHCIS LVALLVAFVL FLRLRSIRCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

RNIIHWNLIS AFILRNATWF VVQLTMSPEV HQSNVGWCRL VTAAYNYFHV  
 TNFFWMFEGEG CYLHTAIVLT YSTDRLRKWM FICIGWGVPF PIIVAWAIGK  
 LYYDNEKCWF GKRPGVYTDY IYQGPMILVL LINFIFLNI VRILMTKLRA  
 STTSETIQYR KAVKATLVLL PLLGITYMLF FVNPGEDEVSRVVFIYFNSF  
 LESFQGGFFVS VFYCFLNSEV RSAIRKRWHR WQDKHSIRAR VARAMSIPTS  
 PTRVSFHSIK QSTAV

**Applications**

Antibody Production;Functional Study: Recommended usage only, not validated yet.Compound Screening: Recommended usage only, not validated yet.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name**

**CRHR1** corticotropin releasing hormone receptor 1 [ Homo sapiens ]

**Official Symbol**

**CRHR1**

**Synonyms**

CRHR1; corticotropin releasing hormone receptor 1; CRHR; corticotropin-releasing factor receptor 1; corticotropin releasing factor receptor; CRF R; CRF1; seven transmembrane helix receptor; corticotropin-releasing hormone receptor 1; corticotropin-releasing factor type 1 receptor; corticotropin releasing hormone receptor variant 1e; corticotropin releasing hormone receptor variant 1g; CRF-R; CRFR1; CRF-R1; CRFR-1; CRH-R1; CRHR1L; CRHR1f; CRF-R-1; CRH-R-1; CRH-R1h

**Gene ID**

**1394**

**mRNA Refseq**

**NM\_001145146**

**Protein Refseq**

**NP\_001138618**

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| MIM | 122561 |
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| UniProt ID | P34998 |
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