

Recombinant Full Length Human CRHR1 Protein

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

SPECIFICATION

Product Overview	Recombinant full length Human CRHR1 was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	444 amino acids
Description	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.
Form	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	47.7 kDa
AA Sequence	MGGHPQLRLV KALLLLGLNP VSASLQDQHC ESLSLASNIS GLQCNASVDL IGTCWPRSPA GQLVVRPCPA FFYGVRYNTT NNGYRECLAN GSWAARVNYS ECQEILNEEK KSKVHYHVAV IINYLGHCIS LVALLVAFVL FLRLRSIRCL

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RNIIHWNLIS AFILRNATWF VVQLTMSPEV HQSNVGWCRL VTAAYNYFHV
 TNFFWMFEGEG CYLHTAIVLT YSTDRLRKWM FICIGWGVPF PIIVAWAIGK
 LYYDNEKCWF GKRPGVYTDY IYQGPMILVL LINFIFLNI VRILMTKLRA
 STTSETIQYR KAVKATLVLL PLLGITYMLF FVNPGEDEVSV RVVFIYFNSF
 LESFQGFFVS 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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