

Recombinant Human CRHR1 protein

Cat. No. CRHR1-185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRHR1 was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
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	MGGHPQLRLVKALLLLGLNPVSASLQDQHCESLSLASNISGLQCNASVDLIGTCWPR SPAGQLVVRPCPAFFYGV RYNTTNGYRECLANGSWAARVNYSECQEILNEEKKS KVHYHVAVIINYLGHCISLVALLVAFVLFRLRSIRCL RNIHWNLISAFILRNATWFVV QLTMSPEVHQSNVGCRLVTAAYNYFHVTNFFWFMFGEGCYLHTAIVLTYSTDR LR KWMFICIGWGVFPPIIWAWAIGKLYYDNEKCFWFGKRPVYTDYIYQGPMILVLLINFIF

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LFNIVRILMTKLRA STTSETIQYRKAVKATLVLLPLLGITVYMLFFVNPGEDEVSRVVFYI
 FNSFLESFQGGFFVSFYCFLNSEVRSRIR KRWHRWQDKHSIRARVARAMSIPTSPT
 RVSFHSIKQSTAV

Applications

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

Notes

Best use within three months from the date of receipt of this protein. Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

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
UniProt ID	P34998
Chromosome Location	17q12-q22
Pathway	Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class B Secretin-like, organism-specific biosystem; Long-term depression, organism-specific biosystem; Long-term depression, conserved biosystem;
Function	corticotrophin-releasing factor receptor activity; corticotropin-releasing hormone binding; peptide binding; protein binding; receptor activity; signal transducer activity;

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