

Recombinant Human CRHR1

Cat. No. CRHR1-27818TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment: SLQDQHCESL SLASNISGLQ CNASVDLIGT CWPRSPAGQL VVRPCPAFFY GVRYNNTTNG YRECLANGSW AARVNYSECQ EILNEEKSK VHYHVAVI corresponding to amino acids 24-121 of Human CRF1 with an N terminal proprietary tag; Predicted MWt 36.41 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	98 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 one of which is a non-coding read-through transcript with the neighboring gene MGC57346.
Molecular Weight	36.410kDa inclusive of tags
Tissue specificity	Predominantly expressed in the cerebellum, pituitary, cerebral cortex and olfactory lobe.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	SLQDQHCESLSLASNISGLQCNASVDLIGTCWPRSPAGQLVVRPCPAFFYGVRYNT TNNGYRECLANGSWAARVNYSECQEILNEEKKSKVHYHVAVI
Sequence Similarities	Belongs to the G-protein coupled receptor 2 family.

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;
Gene ID	1394
mRNA Refseq	NM_004382
Protein Refseq	NP_004373
MIM	122561
Uniprot ID	P34998

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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;
Function	corticotrophin-releasing factor receptor activity; corticotropin-releasing hormone binding; peptide binding; protein binding; receptor activity;

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