

Recombinant Full Length Human CRHR1 Protein, GST-tagged

Cat. No. CRHR1-2309HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CRHR1 full-length ORF (NP_004373.2, 1 a.a. - 415 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	415 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. 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. [provided by RefSeq, Aug 2016]
Molecular Mass	74.1 kDa
AA Sequence	MGGHPQLRLVKALLLLGLNPVSASLQDQHCESLSLASNISGLQCNASVDLIGTCWPR SPAGQLVVRPCPAFFYGVRYNNTTNGYRECLANGSWAARVNYSECQEILNEEKKS KVHYHVAVIINYLGHCSLVALLVAFVLFRLRSIRCLRNIHWNLISAFILRNATWVAVQ LTMSPEVHQSNVGCRLVTAAYNYFHVTNFFWMFGEGCYLHTAIVLTYSTDRLRK WMFICIGWGVFPPIIVAWAIGKLYYDNEKCVFGKRPVYTDYIYQGPMILVLLINFIL

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FNIVRILMTKLRASSTTSETIQYRKAVKATLVLLPLLGYMLFFVNPGEDEVSRVVFYIF
NSFLESFQGGFFVSVFYCFLNSEVRSAIRKRWHRWQDKHSIRARVARAMSIPTSPTRV
SFHSIKQSTAV

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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mRNA Refseq	NM_001145146
Protein Refseq	NP_001138618
MIM	122561
UniProt ID	P34998

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