

Recombinant Full Length Human CRHR2 Protein, GST-tagged

Cat. No. CRHR2-2050HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CRHR2 full-length ORF (NP_001874.2, 1 a.a. - 411 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	411 amino acids
Description	The protein encoded by this gene belongs to the G-protein coupled receptor 2 family, and the subfamily of corticotropin releasing hormone receptor. This receptor shows high affinity for corticotropin releasing hormone (CRH), and also binds CRH-related peptides such as urocortin. CRH is synthesized in the hypothalamus, and plays an important role in coordinating the endocrine, autonomic, and behavioral responses to stress and immune challenge. Studies in mice suggest that this receptor maybe involved in mediating cardiovascular homeostasis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jan 2011]
Molecular Mass	74.1 kDa
AA Sequence	MDAALLHSLLEANCSLALAEELLLDGGWGPPLDPEGPYSYCNTTLDQIGTCWPRSAA GALVERPCPEYFNGVKYNTTRNAYRECLENGTWASKINYSQCEPILDDKQRKYDLH YRIALVVNYLGHCVSVAALVAAFLFLALRSIRCLRNVIHWNLITTFILRNVMWFLQLV DHEVHESNEVWCRCITTIFNYFVVTNFFWMFVEGCYLHTAIVMTYSTERLRKCLFLFI

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GWCIPFPIIWAIGKLYYENEQCWFGKEPGDLVDYIYQGPIILVLLINFLFNIVRILM
 TKLRATTSETIQYRKAVKATLVLLPLLGITMYLFFVNPGEEDLSQIMFIYFNSFLQSF
 QGFFVSVFYCFNNGEVRSAVRKRWHRWQDHHSLRVP MARAMSIPTSPTRISFHSIK
 QTAAY

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
 CRHR2 corticotropin releasing hormone receptor 2 [Homo sapiens]

Official Symbol
 CRHR2

Synonyms
 CRHR2; corticotropin releasing hormone receptor 2; corticotropin-releasing factor receptor 2; CRF RB; CRF2; HM CRF; CRH-R2; CRF2 receptor, beta isoform; CRFR2; CRF-RB; HM-CRF

Gene ID
 1395

mRNA Refseq
 NM_001202475

Protein Refseq
 NP_001189404

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MIM	602034
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UniProt ID	Q13324
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