

## Recombinant Rat Crhr2 Protein, His-tagged

**Cat. No.** Crhr2-844R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Crhr2 Protein (Asp32-Val140) with His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asp32-Val140
<b>Description</b>	Enables corticotropin-releasing hormone receptor activity and peptide hormone binding activity. Involved in several processes, including negative regulation of secretion; regulation of gene expression; and regulation of intracellular signal transduction. Located in several cellular components, including axon; cell body fiber; and perikaryon. Used to study colitis; ischemia; and muscular atrophy. Biomarker of colitis; functional colonic disease; irritable bowel syndrome; and mental depression. Human ortholog(s) of this gene implicated in asthma. Orthologous to human CRHR2 (corticotropin releasing hormone receptor 2).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 16.2 kDa; Accurate Molecular Mass: 14 kDa
<b>Purity</b>	> 97%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Crhr2 corticotropin releasing hormone receptor 2 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	<a href="#">Crhr2</a>
<b>Synonyms</b>	CRHR2; corticotropin releasing hormone receptor 2; corticotropin-releasing factor receptor 2; CRF2; CRF-R2; CRFR-2; CRH-R2; CRF-R 2; CRF-R-2; CRH-R 2; CRH-R-2; corticotropin-releasing hormone receptor 2; corticotrophin releasing hormone receptor 2; corticotropin-releasing factor receptor subtype 2; Crf2r;
<b>Gene ID</b>	<a href="#">64680</a>
<b>mRNA Refseq</b>	<a href="#">NM_022714</a>
<b>Protein Refseq</b>	<a href="#">NP_073205</a>
<b>UniProt ID</b>	<a href="#">P47866</a>

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