

Recombinant Rat Crhr2 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Crhr2 Protein (Asp32-Val140) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Asp32-Val140
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.2 kDa; Accurate Molecular Mass: 14 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Crhr2 corticotropin releasing hormone receptor 2 [Rattus norvegicus (Norway rat)]
Official Symbol	Crhr2
Synonyms	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;
Gene ID	64680
mRNA Refseq	NM_022714
Protein Refseq	NP_073205
UniProt ID	P47866

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