

Recombinant Mouse Crh protein, His-tagged

Cat. No. Crh-7792M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Crh aa. (Arg28~Arg160) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Arg28~Arg160
Description	This gene encodes a member of the corticotropin-releasing factor family and preproprotein that is proteolytically processed to generate a mature protein product. This protein product is a neuropeptide hormone that binds to the corticotropin releasing hormone receptors (CRHR1 and CRHR2) to stimulate the release of adrenocorticotrophic hormone from the pituitary gland in response to stress. The encoded protein may also regulate angiogenesis and inflammation. Homozygous knockout mice for this gene exhibit reduced corticosterone levels while the offspring of these mice die perinatally.
Form	Freeze-dried powder
Molecular Mass	17kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 10.3.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Crh corticotropin releasing hormone [<i>Mus musculus</i> (house mouse)]
Official Symbol	Crh
Synonyms	Crh; corticotropin releasing hormone; CRF; Gm1347; corticoliberin
Gene ID	12918
mRNA Refseq	NM_205769.3
Protein Refseq	NP_991338.1

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UniProt ID

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