

Recombinant Human Corticotropin Releasing Hormone, T7-tagged

Cat. No. CRH-3048H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRH was produced in <i>E.coli</i> with a T7 tag at N-terminus. MW = 21422 Da (27-196 aa).
Species	Human
Source	E.coli
Protein Length	27-196 a.a.
Description	Corticotropin-releasing hormone is secreted by the paraventricular nucleus (PVN) of the hypothalamus in response to stress. Marked reduction in this protein has been observed in association with Alzheimer disease and autosomal recessive hypothalamic corticotropin deficiency has multiple and potentially fatal metabolic consequences including hypoglycemia and hepatitis. In addition to production in the hypothalamus, this protein is also synthesized in peripheral tissues, such as T lymphocytes and is highly expressed in the placenta. In the placenta it is a marker that determines the length of gestation and the timing of parturition and delivery. A rapid increase in circulating levels of the hormone occurs at the onset of parturition, suggesting that, in addition to its metabolic functions, this protein may act as a trigger for parturition.
Form	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ . 10mM DTT.
Purity	95%.

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Applications MS. SDS.

GENE INFORMATION

Gene Name [CRH corticotropin releasing hormone \[Homo sapiens \]](#)

Synonyms CRH; corticotropin releasing hormone; CRF; corticoliberin; corticotropin-releasing factor; Corticotropin-releasing hormone

Gene ID [1392](#)

mRNA Refseq [NM_000756](#)

Protein Refseq [NP_000747](#)

MIM [122560](#)

UniProt ID [P06850](#)

Chromosome Location 8q13

Pathway Long-term depression; Neuroactive ligand-receptor interaction

Function adrenocorticotropin-releasing hormone activity; corticotropin-releasing hormone receptor 1 binding; corticotropin-releasing hormone receptor 2 binding; hormone activity; neuropeptide hormone activity; receptor binding

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