

Recombinant Full Length Human CRH Protein, GST tagged

Cat. No. CRH-107H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CRH full-length ORF (NP_000747.1, 1-196 aa) recombinant protein with GST-tag at N-terminal was expressed in vitro.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1-196 aa
Description	Corticotropin-releasing hormone (CRH) is a 41-amino acid peptide derived from a 191-amino acid preprohormone. CRH is secreted by the paraventricular nucleus (PVN) of the hypothalamus in response to stress. Marked reduction in CRH 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, CRH is also synthesized in peripheral tissues, such as T lymphocytes and is highly expressed in the placenta. In the placenta CRH is a marker that determines the length of gestation and the timing of parturition and delivery. A rapid increase in circulating levels of CRH occurs at the onset of parturition, suggesting that, in addition to its metabolic functions, CRH may act as a trigger for parturition.
Molecular Mass	47.8 kDa
AA Sequence	MRLPLLVSAGVLLVALLPCPPCRALLSRGPVPGARQAPQHPQPLDFFQPPPQSEQP QQPQARPVLLRMGEEYFLRLGNLNKSPAAPLSPASSLLAGGSGSRPSPEQATANFF

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	RVLLQQLLLPRRSLDSPAALAERGARNALGGHQEAPERERRSEPPISLDLTFHLLR EVLEMARAEQLAQQAHSNRKLMEIIGK
Application	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Note	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, pH8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CRH corticotropin releasing hormone [Homo sapiens (human)]
Official Symbol	CRH
Synonyms	CRH; corticotropin releasing hormone; corticoliberin; corticotropin releasing factor; CRF; corticotropin-releasing factor;
Gene ID	1392
mRNA Refseq	NM_000756
Protein Refseq	NP_000747
MIM	122560

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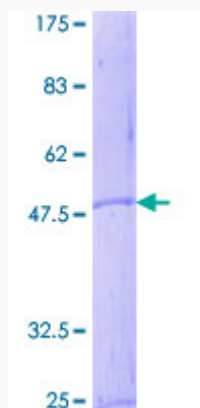
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UniProt ID

P06850

SDS-PAGE

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