

Recombinant Human corticotropin releasing hormone binding protein, His-tagged

Cat. No. CRHBP-460H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CRHBP, 22-322aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	22-322 a.a.
Description	<p>Corticotropin-releasing hormone is a potent stimulator of synthesis and secretion of preopiomelanocortin-derived peptides. Although CRH concentrations in the human peripheral circulation are normally low, they increase throughout pregnancy and fall rapidly after parturition. Maternal plasma CRH probably originates from the placenta. Human plasma contains a CRH-binding protein which inactivates CRH and which may prevent inappropriate pituitary-adrenal stimulation in pregnancy. Recombinant human CRHBP protein, fused to His-tag at N-terminus, was expressed in E.coli.</p>
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	36.1 kDa(324aa)
AA Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSESRYLEL REAADYDPFL LFSANLKREL AGEQPYRRAL RCLDMLSLQG QFTFTADRPQ LHCAAFFISE PEEFITIHYD QVSIDCQGGD FLKVFDFWIL KGEKFPSSQD HPLPSAERYI DFCESGLSRR SIRSSQNVAM IFFRVHEPGN GFTLTIKTDP NLFPCNVISQ TPNGKFTLVV</p>

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PHQHRNCSFS IYPVVIKIS DLTGLGHVNGL QLKKSSAGCE GIGDFVELLG
 GTGLDPSKMT PLADLCYPFH GPAQMKVGCN NTVVRMVSSG KHVNRVTFEY
 RQLEPYELEN PNGNSIGEFCL LSGL

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [CRHBP corticotropin releasing hormone binding protein \[Homo sapiens \]](#)

Official Symbol CRHBP

Synonyms CRHBP; corticotropin releasing hormone binding protein; corticotropin-releasing factor-binding protein; CRF BP; CRFBP; CRH-BP; CRF-binding protein; corticotropin releasing hormone-binding protein; corticotropin-releasing hormone-binding protein; CRF-BP;

Gene ID [1393](#)

mRNA Refseq [NM_001882](#)

Protein Refseq [NP_001873](#)

MIM [122559](#)

UniProt ID [P24387](#)

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Chromosome Location	5q
Function	corticotropin-releasing hormone binding; corticotropin-releasing hormone binding; peptide binding; protein binding;

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