

Recombinant Human CRHBP, His-tagged

Cat. No. CRHBP-5061H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant human CRHBP protein, fused to His-tag at N-terminus, was expressed in E.coli. |
| Species | Human |
| Source | E.coli |
| Description | 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. |
| Form | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea |
| Molecular Mass | 36.1 kDa(324aa) |
| AA Sequence | MGSSHHHHHH SSGLVPRGSH MGSESRYLEL REAADYDPFL LFSANLKREL AGEQPYRRAL RCLDMLSLQG QFTFTADRPQ LHCAAFFISE PEEFITIHYD QVSDICQGGD FLKVFDGWIL KGEKFPSSQD HPLPSAERYI DFCESGLSRR SIRSSQNVAM IFFRVHEPGN GFTLTIKTDP NLFPCNVISQ TPNGKFTLVV PHQHRNCSFS IIPVVIKIS DLTLGHVNGL QLKSSAGCE GIGDFVELLG GTGLDPSKMT PLADLCYPFH GPAQMKVGCD NTVVRMVSSG KHVNRVTFEY RQLEPYELEN PNGNSIGFC LSGL |

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| Purity | >85% by SDS - PAGE |
| Applications | SDS-PAGE |
| Storage | Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles. |
| Concentration | 1 mg/ml (determined by Bradford assay) |

GENE INFORMATION

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|------------------------|---|
| 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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