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## Product Data Sheet

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Product Name: CRHBP (22-322), Human

Cat. No.: GP26106

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Corticotropin releasing hormone binding protein, CRF-BP, CRH-BP, CRF-binding protein.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSESRYLEL REAADYDPFL LFSANLKREL AGEQPYRRAL RCLDMLSLQG QFTFTADRPQ LHCAAFFISE PEEFITIHYD QVSIDCQGGD FLKVFDGWIL KGEKFPSSQD HPLPSAERYI DFCESGLSRR SIRSSQNVAM IFFRVHEPGN GFTLTIKTDP NLFPCNVISQ TPNGKFTLVV PHQHRNCSFS IYYPVVIKIS DLTGLGHVNGL QLKKSSAGCE GIGDFVELLG GTGLDPSKMT PLADLCYPFH GPAQMKVGCD NTVVRMVSSG KHVNRVTFEY RQLEPYELEN PNGNSIGEFC LSGL		
Formulation	CRHBP protein (1mg/ml) contains 10% glycerol, 0.4M urea and 20mM Tris-HCl buffer (pH 8.0).		

**Introduction**

Corticotropin Releasing Hormone Binding Protein or CRHBP is a hormone that stimulates the preopiomelanocortin-derived peptides secretion & synthesis. In general, the levels of CRHBP in the human plasma are relatively low. There are times when we can find high levels of the hormone, mainly in pregnancy, after parturition the levels drop back, the high levels are thought to be derived from the placenta. CRH-binding protein can be found in the plasma, this protein inactivates CRH, in order to avoid inappropriate pituitary-adrenal stimulation during gestation.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

CRHBP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 324 amino acids (22-322 a.a) and having a molecular mass of 36.1kDa. CRHBP is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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