

## CRHBP Human

**Description:** CRHBP Human Recombinant is a 34.58 kDa protein containing 308 aa and fused to a 10 aa N-Terminal His-tag. CRHBP is purified by proprietary chromatographic techniques.

**Catalog #:** HOPS-274

**Synonyms:** Corticotropin releasing hormone binding protein, CRF-BP, CRH-BP, CRF-binding protein.

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Filtered white lyophilized powder.

**Amino Acid Sequence:** MKHHHHHHAS YLELREAADY DPFLFSANL KRELAGEQPY  
RRALRCLDML SLQGQFTFTA DRPQLHCAAF FISEPEEFIT IHYDQVSDIC QGGDFLKVFD  
GWILKGEKFP SSQDHLPLSA ERYIDFCESG LSRRSIRSSQ NVAMIFFRVH EPGNGFTLTI  
KTDPNLFPCN VISQTPNGKF TLVVPHQHRN CSFSIYPVV IKISDLTLGH VNGLQLKKSS  
AGCEGIGDFV EL

**Formulation:**

CRHBP Human was filtered (0.4

**Stability:**

Store lyophilized protein at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Applications:**

ELISA, Western blotting

**Solubility:**

Add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

**Introduction:**

CRH is a powerful stimulator of synthesis and secretion of prepromelanocortin-derived peptides. CRH concentration in the human peripheral circulation is usually low. The concentration rises during pregnancy and fall back quickly after parturition. Maternal plasma CRH most likely originates from the placenta. Human plasma has a CRH-binding protein that inactivates CRH and can inhibit inappropriate pituitary-adrenal stimulation in pregnancy.

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