

# Recombinant Human CRHBP (C-6His)

Catalog # EPT055

**Expression Host** Human Cells

**DESCRIPTION** Recombinant Human Corticotropin-Releasing

Factor-Binding Protein is produced by our Mammalian

expression system and the target gene encoding

Tyr25-Leu322 is expressed with a 6His tag at the

C-terminus.

**Accession** P24387

**Synonyms** Corticotropin-Releasing Factor-Binding Protein;

CRF-BP; CRF-Binding Protein; Corticotropin-Releasing

Hormone-Binding Protein; CRH-BP; CRHBP; CRFBP

Mol Mass 34.38 KDa

**AP Mol Mass** 37 KDa, reducing conditions

**Purity** Greater than 95% as determined by reducing

SDS-PAGE.

**Endotoxin** Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL

test.

**FORMULATION** Lyophilized from a 0.2 µm filtered solution of 20mM



+86-27-59760950 ELKbio@ELKbiotech.com

www.elkbiotech.com



Tris-HCl, 150mm NaCl, pH 7.5.

### RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

#### **SHIPPING**

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

#### **STORAGE**

Lyophilized protein should be stored at < -20 ° C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

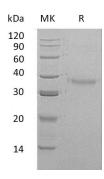
#### **BACKGROUND**

Corticotropin-Releasing Factor-Binding Protein (CRHBP) is a 37 kDa secreted glycoprotein that binds both CRH and urocortin in a 42 kDa extracellular complex. The molecule is approximately 300 amino acids in length and demonstrates five intrachain





disulfide bonds. Difference between CRHBP from different species exist, human CRHBP is found in plasma while rodent and sheep CRHBP is limited to neuroendocrine tissues. CRHBP may inactivate CRH and may prevent inappropriate pituitary-adrenal stimulation in pregnancy. CRHBP is presumed to either sequester CRH, rendering it unavailable to cells or transport it to target tissues. Although CRF-BP concentration in the human peripheral circulation is normally low, it increases throughout pregnancy and fall back rapidly after parturition.



## **SDS-PAGE**

