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## Product Datasheet

### Recombinant Human CRHBP (C-6His) EBT-EPT055

Article Name	Recombinant Human CRHBP (C-6His)
Biozol Catalog Number	EBT-EPT055
Supplier Catalog Number	EPT055
Alternative Catalog Number	EBT-EPT055-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product 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....
Molecular Weight	Molecular weight: 34.38 KDa. Apparent molecular weight: 37 KDa, reducing conditions
UniProt	<a href="#">P24387</a>
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Endotoxin: Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL test. 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. Differences 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 falls back rapidly after parturition.