

Recombinant Human Corticotropin-Releasing Factor-Binding Protein/CRHBP Protein(C-6His)

Cat.NO.: TP05766

3th Edition

Synonyms:Corticotropin-Releasing Factor-Binding Protein; CRF-BP; CRF-Binding Protein; Corticotropin-Releasing Hormone-Binding Protein; CRH-BP; CRHBP; CRFBP

Description: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.

Form:PBS

Molecular Weight:34.4 kDa

Sequences:Tyr25-Leu322

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.