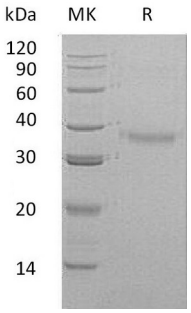
Product Name: Recombinant Human CRHBP (C-6His)
Catalog #: PHH0448

Summary

Name	Corticotropin-releasing factor-binding protein/CRHBP
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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
Host	Human Cells
Species	Human
Predicted Molecular Mass	34.38 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mm NaCl, pH 7.5.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
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.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.

SDS-PAGE image



Background

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Alternative Names	Corticotropin-Releasing Factor-Binding Protein; CRF-BP; CRF-Binding Protein; Corticotropin-Releasing Hormone-Binding Protein; CRH-BP; CRHBP; CRFBP
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.

Note

For Research Use Only , Not for Diagnostic Use.