

## 32-7535: Recombinant Human Corticotropin-Releasing Factor-Binding Protein/CRHBP (C-6His)(Discontinued)

**Gene :** CRHBP  
**Gene ID :** 1393  
**Uniprot ID :** P24387

### Description

Source: Human Cells.

MW :34.38kD.

Recombinant Human CRHBP is produced by our Mammalian expression system and the target gene encoding Tyr25-Leu322 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 150mm NaCl, pH 7.5.  
**Storage condition :** 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.  
**Amino Acid :** YLELREAADYDPFLLFSANLKRELAGEQPYRRALRCLDMLS LQGQFTFTADRPQLHCAAFFISEPEEFITIHVDQV  
SIDCQGGDFLKVFDGWILKGEKFPSSQDHPLPSAERYIDFCESGLSRRSIRSSQNVAMIFFRVHEPGNGFTLTIKT  
DPNLFPCNVISQTPNGKFTLVVPHQHRNCSFSIIPVVIKISDLTLGHVNGQLKKSSAGCEGIGDFVELLGGTGL  
DPSKMTPLADLCYPFHGPAQMKVGC DNTVVRMVSSGKHVNRVTFEYRQLEPYELENPNGNSIGEFCLSGGLVD  
HHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.