

CRHBP, 22-322aa, Human, His tag, E.coli

Cat.NO.: TP01710

3th Edition

Synonyms:corticotropin-releasing factor-binding protein precursor , CRF-BP, CRFBP

Description:Corticotropin-releasing hormone is a potent stimulator of synthesis and secretion of preopiomelanocortin-derived peptides. Although CRH concentrations in the human peripheral circulation are normally low, they increase throughout pregnancy and fall rapidly after parturition. Maternal plasma CRH probably originates from the placenta. Human plasma contains a CRH-binding protein which inactivates CRH and which may prevent inappropriate pituitary-adrenal stimulation in pregnancy. Recombinant human CRHBP protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight:36.1 kDa(324aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSESRYLELREAADYDPFLLFSANLKRELAGEQPYRRALRCLDMLSLOGGQFTFT
ADRPQLHCAAFFISEPEEFITIHVDQVSIDCQGGDFLKVFDGWILKGEKFPSSQDHPLPSAERYIDFCESGLSRRSIR
SSQNVAMIFFRVHEPGNGFTLTIKTDPNLFPCNVISQTPNGKFTLVVPHQHRNCSFSIIPVVIKISDLTLGHVNGLQL
KKSSAGCEGIGDFVELLGGTGLDPSKMTPLADLCYPFHGPAQMKVGCNTVVRMVSSGKHVNRVTFEYRQLEPY
ELENPNGNSIGEFCLSGL

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

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.