

Recombinant Human CRHBP, His-tagged

Cat. No. CRHBP-3665H Lot. No. (See product label)

SPECIFICATION

Product Overview	Total 308 AA. MW: 34.58 kDa (calculated). N-Terminal His-tag, 10 extra AA (highlighted).
Species	Human
Source	E.coli
Description	CRHBP is a protein that in humans is encoded by the CRHBP gene. It belongs to corticotropin-releasing hormone binding protein family. CRH 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 CRHBP which inactivates CRH and which may prevent inappropriate pituitary-adrenal stimulation in pregnancy.
Form	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 20mM NaCl, pH 7.5.
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Applications	ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

MKHHHHHHAS YLELREAADY DPFLLF SANL KRELAGEQPY RRALRCLDML
 SLQGQFTFTA DRPQLHCAAF FISEPEEFIT IHYDQVSDC QGGDFLKVFD
 GWILKGEKFP SSQDHPLPSA ERYIDFCESG LSRRSIRSSQ NVAMIFFRVH
 EPGNGFTLTI KTDPNLFPCN VISQTPNGKF TLVVP HQHRN CSFSIYPVV
 IKISDLTLGH VNGLQLKKSS AGCEGIGDFV ELLGGTGLDP SKMTPLADLC
 YPFHGPAQMK VGCDNTVVRM VSSGKHVNRV TFEYRQLEPY ELENPNGNSI
 GEFCLSGL

Storage

Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION
Gene Name

CRHBP corticotropin releasing hormone binding protein [Homo sapiens]

Official Symbol

CRHBP

Synonyms

CRHBP; corticotropin releasing hormone binding protein; CRFBP; CRF-BP; corticotropin-releasing factor-binding protein; CRH-BP; OTTHUMP00000128328; OTTHUMP00000222031; CRF-binding protein; corticotropin releasing hormone-binding protein; corticotropin-releasing hormone-binding protein; Corticotropin-releasing factor-binding protein; Corticotropin-releasing hormone-binding protein

Gene ID

1393

mRNA Refseq

NM_001882

Protein Refseq

NP_001873

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	122559
UniProt ID	P24387
Chromosome Location	5q

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA