

## Recombinant Human CRHBP, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Total 308 AA. MW: 34.58 kDa (calculated). N-Terminal His-tag, 10 extra AA (highlighted).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 20mM NaCl, pH 7.5.
<b>Reconstitution</b>	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.
<b>Applications</b>	ELISA; Western blotting
<b>Quality Control Test</b>	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein

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**Sequences of amino acids**

MKHHHHHHAS YLELREAADY DPFLIFSANL KRELAGEQPY RRALRCLDML  
 SLQGQFTFTA DRPQLHCAAF FISEPEEFIT IHYDQVSIDC QGGDFLKVFD  
 GWILKGEKFP SSQDHPLPSA ERYIDFCESG LSRRSIRSSQ NVAMIFFRVH  
 EPGNGFTLTI KTDPNLFPCN VISQTPNGKF TLVVPHQHRN 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](#)

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<b>MIM</b>	122559
<b>UniProt ID</b>	P24387
<b>Chromosome Location</b>	5q

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