
Product Data Sheet

Product Name: CRHBP Human

Cat. No.: GP21236

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Corticotropin releasing hormone binding protein; CRF-BP; CRH-BP; CRF-binding protein.		
Amino Acid Sequence	MKHHHHHHAS YLELREAADY DPFLIFSANL KRELAGEQPY RRALRCLDML SLQGQFTFTA DRPQLHCAAF FISEPEEFIT IHYDQVSIDC QGGDFLKVFD GWILKGEKFP SSQDHPLPSA ERYIDFCESG LSRRSIRSSQ NVAMIFFRVH EPGNGFTLTI KTDPNLFPCN VISQTPNGKF TLVVPHQHRN CSFSIYPV IKISDLTLGH VNGLQLKKSS AGCEGIGDFV ELLGGTGLDP SKMTPLADLC YPFHGPAQMK VGCDNTVVRM VSSGKHVNRV TFEYRQLEPY ELENPNGNSI GEFCLSGY YLELREAADY DPFLIFSANL KRELAGEQPY RRALRCLDML SLQGQFTFTA DRPQLHCAAF FISEPEEFIT IHYDQVSIDC QGGDFLKVFD GWILKGEKFP SSQDHPLPSA ERYIDFCESG LSRRSIRSSQ NVAMIFFRVH EPGNGFTLTI KTDPNLFPCN VISQTPNGKF TLVVPHQHRN CSFSIYPV IKISDLTLGH VNGLQLKKSS AGCEGIGDFV ELLGGTGLDP SKMTPLADLC YPFHGPAQMK VGCDNTVVRM VSSGKHVNRV TFEYRQLEPY ELENPNGNSI GEFCLSGY		
Solubility	Add deionized water to prepare a working stock solution of approximately 0.5mg/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.		
Formulation	CRHBP Human was filtered (0.4µm) and lyophilized from 0.5mg/ml supplied in 20mM TRIS and 20mM NaCl, pH 7.5.		

Introduction

CRH is a powerful stimulator of synthesis and secretion of proopiomelanocortin-derived peptides. CRH concentration in the human peripheral circulation is usually low. The

Caution: Product has not been fully validated for medical applications. For research use only.

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concentration rises during pregnancy and fall back quickly after parturition. Maternal plasma CRH most likely originates from the placenta. Human plasma has a CRH-binding protein that inactivates CRH and can inhibit inappropriate pituitary-adrenal stimulation in pregnancy.

Stability

Store lyophilized protein 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 .

Background

CRHBP Human Recombinant is a 34.58 kDa protein containing 308 aa and fused to a 10 aa N-Terminal His-tag. CRHBP is purified by proprietary chromatographic techniques.

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