CRHBP Protein, Human (HEK293, His)

Cat. No.:	HY-P70013
Synonyms:	rHuCorticotropin-releasing factor-binding protein/CRHBP, His ; Corticotropin-Releasing Factor-Binding Protein; CRF-BP; CRF-Binding Protein; Corticotropin-Releasing Hormone-Binding Protein; CRH-BP; CRHBP; CRFBP
Species:	Human
Source:	HEK293
Accession:	P24387 (Y25-L322)
Gene ID:	1393
Molecular Weight:	Approximately 40.0 kDa

PROPERTIES

AA Sequence	Y L E L R E A A D Y D P F L L F S A N L K R E L A G E Q P Y R R A L R C L D M L S L Q G Q F T F T A D R P Q L H C A A F F I S E P E E F I T I H Y D Q V S I D C Q G G D F L K V F D G W I L K G E K F P S S Q D H P L P S A E R Y I D F C E S G L S R R S I R S S Q N V A M I F F R V H E P G N G F T L T I K T D P N L F P C N V I S Q T P N G K F T L V V P H Q H R N C S F S I I Y P V V I K I S D L T L G H V N G L Q L K K S S A G C E G I G D F V E L L G G T G L D P S K M T P L A D L C Y P F H G P A Q M K V G C D N T V V R M V S S G K H V N R V T F E Y R Q L E P Y E L E N P N G N S I G E F C L S G L
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 7.5.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The CRHBP Protein plays a crucial role by binding to corticotropin-releasing factor (CRF) and effectively inactivating it. This action suggests a regulatory function, potentially serving to prevent inappropriate pituitary-adrenal stimulation, particularly during pregnancy. By binding and inactivating CRF, CRHBP may contribute to maintaining a balance in the neuroendocrine signaling pathways, ensuring appropriate physiological responses and protecting against overstimulation

	of the pituitary-adrenal axis, particularly in the context of pregnancy.

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