

Recombinant human CRHBP protein

Catalog Number: ATGP2557

PRODUCT INFORMATION

Expression system

E.coli

Domain

22-322aa

UniProt No.

P24387

NCBI Accession No.

NP_001873

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

36.1 kDa (324aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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N-terminus, was expressed in E. coli.

Amino acid Sequence

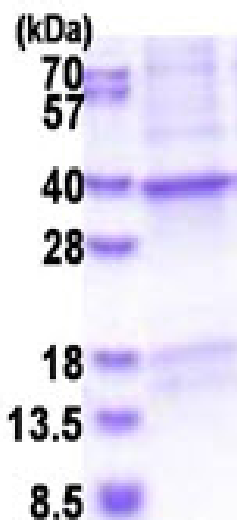
MGSSHHHHHH SSSLVPRGSH MGSESRYLEL REAADYDPFL LFSANLKREL AGEQPYRRAL RCLDMLSLQG QFTFTADRPQ
LHCAAFFISE PEEFITHYD QVSIDCQGGD FLKVFDGWIL KGEKFPSSQD HPLPSAERYI DFCESGLSRR SIRSSQNVAM
IFFRVHEPGN GFTLTIKTDP NLFPCNVISQ TPNGKFTLVV PHQHRNCSFS IYPPVVIKIS DLTGLGHVNGL QLKKSSAGCE
GIGDFVELLG GTGLDPSKMT PLADLCYPFH GPAQMKVGCN NTVVRMVSSG KHVNRVTFEY RQLEPYELEN PNGNSIGEF
LSGL

General References

Behan DP. et al. (1993) Genomics. 16:63-68.
Westphal NJ. et al. (2006) Front. Biosc.. 11: 1878-91.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)