Corticotropin-Releasing Factor-Binding Protein Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: CRF-binding protein, Corticotropin-releasing hormone-binding protein, CRHBP, CRFBP

Cat. No.:
RD172151100 (0.1 mg)

Description

Total 308 AA. MW: 34.58 kDa (calculated). UniProtKB acc.no. P24387. N-Terminal His-tag, 10 extra AA (highlighted).

Research topic

Steroid hormones

Amino Acid Sequence

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MKHHHHHHAS YLELREAADY DPFLLFSANL KRELAGEQPY RRALRCLDML SLQGQFTFTA DRPQLHCAAF FISEPEEFIT
IHYDQVSIDC QGGDFLKVFD GWILKGEKFP SSQDHPLPSA ERYIDFCESG LSRRSIRSSQ NVAMIFFRVH EPGNGFTLTI
KTDPNLFPCN VISQTPNGKF TLVVPHQHRN CSFSIIYPVV IKISDLTLGH VNGLQLKKSS AGCEGIGDFV ELLGGTGLDP
SKMTPLADLC YPFHGPAQMK VGCDNTVVRM VSSGKHVNRV TFEYRQLEPY ELENPNGNSI GEFCLSGL
```

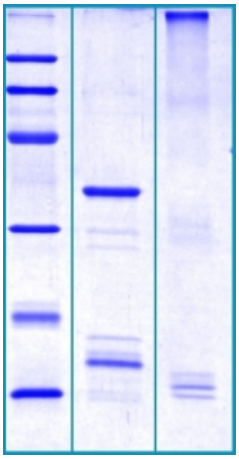
Source

E. coli

Purity

Purity as determined by densitometric image analysis: > 90 %

SDS-PAGE gel



14% SDS-PAGE separation of Human CRFBP
1. M.W. marker - 97, 66, 45, 31, 21, 14 kDa
2. reduced and boiled sample, 2µg/lane
3. non-reduced and non-boiled sample, 2µg/lane

Endotoxin

< 1.0 EU/µg

Formulation

Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM 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 at least for 15 minutes at 37°C. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

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.

Quality Control Test

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.

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