

Recombinant human CNBP protein

Catalog Number: ATGP1978

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-170aa

UniProt No.

P62633

NCBI Accession No.

NP_001120668

Alternative Names

Cellular nucleic acid-binding protein, CNBP1, DM2, PROMM, RNF163, ZCCHC22, ZNF9

PRODUCT SPECIFICATION

Molecular Weight

21 kDa (193aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.2M NaCl, 20% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

CNBP is a nucleic-acid binding protein with seven zinc-finger domains. The protein has a preference for binding single stranded DNA and RNA. It functions in cap-independent translation of ornithine decarboxylase mRNA, and may also function in sterol-mediated transcriptional regulation. A CCTG expansion in the first intron of this gene results in myotonic dystrophy type 2. Recombinant human CNBP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

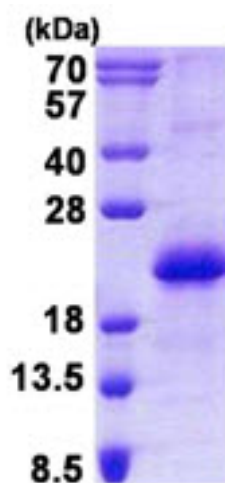
MGSSHHHHHH SGLVPRGSH MGSMSNECF KCGRSGHWAR ECPTGGGRGR GMRSRGRGFQ FVSSSLPDIC
YRCGESGHLA KCDLQEDAC YNCGRGGHIA KDCKEPRER EQCCYNCGKP GHLARDCDHA DEQKCYSCGE
FGHIQKDKTK VKCYRCGETG HVAINCSKTS EVNCYRCGES GHLARECTIE ATA

General References

McGrath CF, Buckman JS, et al. (2003). J Virol. 77(15):8524-31.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)