

CNBP, 1-170aa, Human, His tag, E.coli

Cat.NO.: TP01658

3th Edition

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

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.

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

Molecular Weight: 21 kDa (193aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMSSNECFKCGRSGHWARECPTGGGRGRGMRSRGRGFQFVSSSLPDICYR
CGESGHLAKDCDLQEDACYNCGRGGHIAKDCKEPREREQCCYNCGKPGHLARDCDHADEQKCYSCGEFGHIQ
KDCTKVKCYRCGETGHVAINCSKTSEVNCYRCGESGHLARECTIEATA

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.