

Recombinant human C1D protein

Catalog Number: ATGP2147

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-141aa

UniProt No.

Q13901

NCBI Accession No.

NP_775269

Alternative Names

Nuclear nucleic acid-binding protein C1D, hC1D, LRP1, SuN-CoR, SuNCOR

PRODUCT SPECIFICATION

Molecular Weight

18.4 kDa (164aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

Purity

> 85% 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

Nuclear nucleic acid-binding protein C1D, also known as C1D, plays a role in the recruitment of the RNA exosome complex to pre-rRNA to mediate the 3'-5' end processing of the 5. 8S rRNA; this function may include MPHOSPH6. This protein can activate PRKDC not only in the presence of linear DNA but also in the presence of supercoiled DNA. This protein can induce apoptosis in a p53/TP53 dependent manner. Recombinant human C1D 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

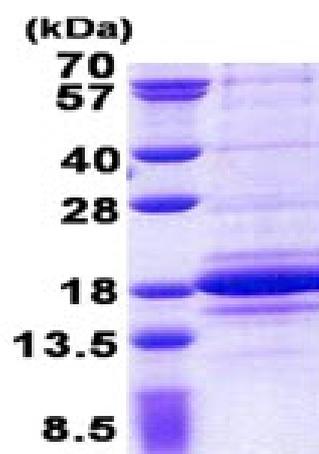
MGSSHHHHHHH SSSLVPRGSH MGSMAGEEIN EDYPVEIHEY LSAFENSIGA VDEMLKTMMS VSRNELLQKL DPLEQAKVDL
VSAYTLNSMF WYLATQGVN PKEHPVKQEL ERIRVYMNRV KEITDKKKAG KLDRGAASRF VKNALWEPKS KNASKVANKG
KSKS

General References

Erdemir T., et al. (2002) J. Cell Sci. 115:207-216
Schilders G., et al. (2007) Nucleic Acids Res. 35:2564-2572

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)