
Product Data Sheet

Product Name: C1D Human
 Cat. No.: GP22927
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	hC1D; LRP1; SUN-CoR; SUNCOR; Nuclear nucleic acid-binding protein C1D; C1D.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAGEEIN EDYPVEIHEY LSAFENSIGA VDEMLKTMMS VSRNELLQKL DPLEQAKVDL VSAYTLNSMF WVYLATQGVN PKEHPVKQEL ERIRVYMNRV KEITDKKKAG KLDRGAASRF VKNALWEPKS KNASKVANKG KSKS.		
Formulation	The C1D solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.		

Introduction

C1D is which regulates TRAX/Translin complex formation takes part in the recruitment of the RNA exosome complex to pre-rRNA to mediate the 3'-5' end processing of the 5.8S rRNA. C1D which activates PRKDC in the presence of linear DNA and supercoiled DNA also induces apoptosis in a p53/TP53 dependent manner.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

C1D Human Recombinant produced in E. coli is a single polypeptide chain containing 164 amino acids (1-141) and having a molecular mass of 18.4kDa. C1D is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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