
Product Data Sheet

Product Name: POLR1C Human

Cat. No.: GP24206

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DNA-directed RNA polymerases I and III subunit RPAC1; POLR1C; POLR1E; RPC40; Polymerase (RNA) I (DNA directed) Polypeptide C; RPA40; RPA39; DNA-directed RNA polymerases I and III 40 kDa polypeptide; RNA polymerases I and III subunit AC1; AC40; DNA-directed RNA polymerase I subunit C; RP3-337H4.4; RPA5; RPAC1; TCS3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAASQAV EEMRSRVVLG EFGVRNVHTT DFPGNYSYGD DAWDQDRFEK NFRVDVVHMD ENSLEFDMVG IDAAIANAFR RILLAEVPTM AVEKVLVYNN TSIVQDEILA HRLGLIPIHA DPRLFYRNQ GDEEGTEIDT LQFRLQVRCT RNPAAKDSS DPNELYVNHK VYTRHMTWIP LGNQADLFPE GTIRPVHDDI LIAQLRPGQE IDLLMHCVKG IGKDHAKFSP VATASYRLLP DITLLEPVEG EAAEELSRCF SPGVIEVQEV QGKKVARVAN PRLDTFSREI FRNEKLKVV RLARVRDHYI FSVESTGVLP PDVLVSEAIK VLMGKCRRL DELDAVQMD.		
Formulation	POLR1C protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

Introduction

Polymerase (RNA) I (DNA directed) Polypeptide C (POLR1C) is a subunit of both RNA polymerase I and RNA polymerase III complexes whose defects are related with Collins syndrome. POLR1C is a protein-coding gene and is part of the Pol core element

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.

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

POLR1C Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 369 amino acids (1-346 a.a.) and having a molecular mass of 41.6kDa. POLR1C is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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