

Recombinant Human POLR1C, His-tagged

Cat. No. POLR1C-260H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	POLR1C, 1-349aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-349aa
Description	POLR1C is a subunit of both RNA polymerase I and RNA polymerase III complexes. The encoded protein is part of the Pol core element. Defects in this gene have been associated with Treacher Collins syndrome (TCS). Recombinant human POLR1C 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 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	41.6 kDa (369aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAASQAV EEMRSRVVLG EFGVRNVHTT DFPGNYSGYD DAWDQDRFEK NFRVDVVHMD ENSLEFDMVG IDAAIANAFR RILLA EVPTM AVEKVLVYNN TSIVQDEILA HRLGLIPIHA DPRLF EYRNQ GDEEGTEIDT LQFRLQVRCT RNPHA AKDSS DPNELYVNHK VYTRHMTWIP LGNQADLFPE GTIRPVHDDI LIAQLRPGQE IDLLMHCVKG IGKDHAKFSP VATASYRLLP DITLLEPVEG EAAEELSRCF SPGVIEVQEV QGKKVARVAN

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	PRLDTFSREI FRNEKLKKVV RLARVRDHYI FSVESTGVLP PDVLVSEAIK VLMGKCRRFL DELDAVQMD
Purity	>80% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	POLR1C polymerase (RNA) I polypeptide C, 30kDa [Homo sapiens]
Official Symbol	POLR1C
Synonyms	POLR1C; polymerase (RNA) I polypeptide C, 30kDa; DNA-directed RNA polymerases I and III subunit RPAC1; RPA5; RPA39; RPA40; RPAC1; AC40; RPC40; RNA polymerases I and III subunit AC1; DNA-directed RNA polymerase I subunit C; DNA-directed RNA polymerases I and III 40 kDa polypeptide; TCS3; RP3-337H4.4;
Gene ID	9533
mRNA Refseq	NM_203290
Protein Refseq	NP_976035
MIM	610060
UniProt ID	O15160

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Chromosome Location	6p21.1
Pathway	Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Gene Expression, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Pyrimidine metabolism, organism-specific biosystem;
Function	DNA binding; DNA-directed RNA polymerase activity; protein dimerization activity;

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