

**POLR1C, 1-349aa, Human, His tag, E.coli**

**Cat.NO.: TP03457**

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3th Edition

**Synonyms:**DNA-directed RNA polymerases I and III subunit RPAC1, RP3-337H4.4, RPA39, RPA40, RPA5, RPAC1, TCS3

**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 Weight:**41.6 kDa (369aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMASQAVEEMRSRVVLGEFGVRNVHTTDFPGNYSYDGAWDQDRFEKNF  
RVDVVHMDENSLEFDMVGIDAAIANAFRRILLAIEVPTMAVEKVLVYNNTSIVQDEILAHRLGLIPIHADPRLFEYRNQG  
DEEGTEIDTLQFRLQVRCTRNPAAKDSNDPNELYVNHKVYTRHMTWIPLGNQADLFPEGTIRPVHDDILIAQLRPG  
QEIDLLMHCVKGIGKDHAKFSPVATASYRLLPDITLLEPVEGEAAEELSRFCSPGVIEVQEVQGKKVARVANPRLDTF  
SREIFRNEKLLKVVRLARVRDHYIFSVESTGVLPPDVLVSEAIKVLMGKCRFLDELDAVQMD

**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.