

POLR2C, 1-275aa, Human, His tag, E.coli

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3th Edition

Synonyms:DNA-directed RNA polymerase II subunit RPB3, hRPB33, hsRPB3, RPB3, RPB31

Description:POLR2C is the third largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a cysteine rich region and exists as a heterodimer with another polymerase subunit, POLR2J. These two subunits form a core subassembly unit of the polymerase. A pseudogene has been identified on chromosome 21. Recombinant human POLR2C protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT, 0.1M NaCl

Molecular Weight:33.8 kDa(298aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMYPANQPTVRITELTDENVKFIIENTDLAVANSIRRVFIAEVPIIAIDWVQIDAN
SSVLHDEFIAHRLGLIPLISDDIVDKLQYSRDCTCEEFCEPCSVEFTLDVRCNEDQTRHVTSRDLISNSPRVIPVTSRN
RDNDPNDYVEQDDILIVKLRKQGELRLRAYAKKGFGEHAKWNPTAGVAFEYDPDNALRHTVYPKPEEWPKEYS
ELDEDESQAPYDPNGKPERFYNVESCGSLRPETIVLSALSGLKKKLSLQTLQSHEIQSDVLTIN

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.