

# Product information



## POLR2C, 1-275aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2724

**Full name:** DNA-directed RNA polymerase II subunit RPB3

**NCBI Accession No.:** NP\_116558

**Synonyms:** 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.

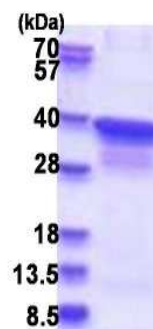
**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

1mM DTT, 0.1M NaCl

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

**Purity:** > 90% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSM PYANQP TVR I TEL TDE NV K F I E N T D L A V A N S I R R V F I A E V P I I A I D W Q I D A N S S V L H D E F I A H R  
L G L I P L I S D D I V D K L Q Y S R D C T C E E F C P E C S V E F T L D V R C N E D Q T R H V T S R D L I S N S P R V I P V T S R N R D N D P N D Y V E Q D I L I V K L R K G Q  
E L R L R A Y A K G F G K E H A K W N P T A G V A F E Y D P D N A L R H T V Y P K P E E W P K S Y S E L D E D E S Q A P Y D P N G K P E R F Y N V E S C G S L R P E T I V L S  
A L S G L K K K L S D L Q T Q L S H E I Q S D V L T I N

### General references:

Bertolotti, A. *et al.* (1998) *Mol. Cell. Biol.* 18:1489–1497.

Acker, J. *et al.* (1998) *J. Biol. Chem.* 272:16815–16821

**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.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)  
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA

Phone: (888) 523-1246 Fax.: (763) 780-2988

Email: [info@ibl-america.com](mailto:info@ibl-america.com) Web: [www.ibl-america.com](http://www.ibl-america.com)