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## Product Data Sheet

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Product Name: POLR2J3 Human  
 Cat. No.: GP22119  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Polymerase (RNA) II (DNA Directed) Polypeptide J3; DNA-Directed RNA Polymerase II Subunit 11; DNA-Directed RNA Polymerase II Subunit RPB11-B2; DNA-Directed RNA Polymerase II Subunit J3; RNA Polymerase II Subunit B11-B2; POLR2J2; RPB11b2; RPB11b1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMNAPPAF ESLLFEGEK ITINKDTKVP NACLFTINKE DHTLGNIKS QLLKDPQVLF AGYKVPHPLE HKIIRVQTT PDYSPQEAF NAITDLISEL SLLEERFRTC LLPLRLLP		
Formulation	The POLR2J3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT and 40% glycerol.		

### Introduction

DNA-directed RNA polymerase II subunit RPB11-b2 (POLR2J3) is a member of the eukaryotic RPB11 RNA polymerase subunit family. POLR2J (DNA-directed RNA polymerase II subunit J) exists in 3 variants POLR2J1 (RPB11-a), POLR2J2 (RPB11-b1), and POLR2J3 (RPB11-b2). POLR2J3 is a DNA-dependent RNA polymerase which catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates.

### 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.

### Background

POLR2J3 Human Recombinant produced in E. coli is a single polypeptide chain containing 138 amino acids (1-115) and having a molecular mass of 15.5 kDa. POLR2J3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic

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

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