

---

## Product Data Sheet

---

Product Name: POLR2I Human  
 Cat. No.: GP22117  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	hRPB14.5; RPB9; DNA-directed RNA polymerase II subunit RPB9; DNA-directed RNA polymerase II subunit I; RNA polymerase II 14.5 kDa subunit; RPB14.5.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMEPDGTY EPGFVGIRFC QECNNMLYPK EDKENRILLY ACRNCDYQQE ADNSCIYVNK ITHEVDELQ IADVSQDPT LPRTEHDPCQ KCGHKEAVFF QSHSARAEDA MRLYYVCTAP HCGHRWTE.		
Formulation	POLR2I protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 1mM DTT.		

### Introduction

Polymerase II Polypeptide I (POLR2I) is a member of the archaeal RpoM/eukaryotic RPA12/RPB9/RPC11 RNA polymerase family. POLR2I is a subunit of RNA polymerase II, which is a polymerase responsible for synthesizing messenger RNA in eukaryotes. DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the 4 ribonucleoside triphosphates as substrates. In addition POLR2I synthesizes mRNA precursors and numerous functional non-coding RNAs.

### 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

POLR2I Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 148 amino acids (1-125 a.a.) and having a molecular mass of 17.0kDa. POLR2I is fused to a 23 amino acid His-tag at N-terminus & purified by

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

## Product Data Sheet

---

proprietary chromatographic techniques.

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

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**