

**POLR2I, 1-125aa, Human, His tag, E.coli**

**Cat.NO.: TP03463**

---

3th Edition

**Synonyms:**DNA-directed RNA polymerase II subunit RPB9, hRPB14.5, RPB9

**Description:**POLR2I, also known as RPB9, belongs to the archaeal rpoM/eukaryotic RPA12/RPB9/RPC11 RNA polymerase family. This protein is a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT

**Molecular Weight:**17.0kDa (148aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMEDGTYEPGFVGIKFCQECNNMLYPKEDKENRILLYACRNCDYQQEADN  
SCIYVNKITHEVDELTKIADVSQDPTLPRTEHDHPCQKCGHKEAVFFQSHSARAEDAMRLYYVCTAPHCGHRWTE

**Purity:**> 95% by HPLC

**Concentration:**1 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.