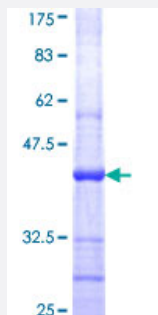


POLR1B (Human) Recombinant Protein (Q01)

Catalog # H00084172-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human POLR1B partial ORF (NP_061887, 963 a.a. - 1072 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GEMLKAAGYNFYGTERLYSGISGLELEADIFIGVVYYQRLRHMVSDKFQVRTTGARDRVTNQPIGG RNVQGGIRFGEMERDALLAHGTSFLLHDRLFNCSDRSVAHVCVK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (90); Rat (87)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — POLR1B

Entrez GeneID [84172](#)

GeneBank Accession# [NM_019014](#)

Protein Accession# [NP_061887](#)

Gene Name POLR1B

Gene Alias FLJ10816, FLJ21921, MGC131780, RPA135, RPA2, Rpo1-2

Gene Description polymerase (RNA) I polypeptide B, 128kDa

Omim ID [602000](#)

Gene Ontology [Hyperlink](#)

Gene Summary Eukaryotic RNA polymerase I (pol I) is responsible for the transcription of ribosomal RNA (rRNA) genes and production of rRNA, the primary component of ribosomes. Pol I is a multisubunit enzyme composed of 6 to 14 polypeptides, depending on the species. Most of the mass of the pol I complex derives from the 2 largest subunits, Rpa1 and Rpa2 in yeast. POLR1B is homologous to Rpa 2 (Seither and Grummt, 1996 [PubMed 8921381]).[supplied by OMIM]

Other Designations DNA-directed RNA polymerase I 135kDa polypeptide|RNA polymerase I polypeptide B|RNA polymerase I subunit 2

Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)

- [RNA polymerase](#)