

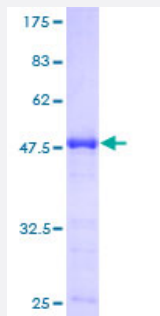
Full-Length

POLR2E (Human) Recombinant Protein (P01)

Catalog # H00005434-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human POLR2E full-length ORF (AAH04441, 1 a.a. - 210 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDDEEETYRLWKIRKTIQLCHDRGYLVTQDELDQTLEEFKAQFGDKPSEGRPRRTDLTVLVAHN
DDPTDQMFVFFPEEPKVGKTIKVCYQRMQEENITRALIVVQQGMTPSAKQSLVDMAPKYILEQFL
QQELLINITEHELVPEHVMTKEEVTELLARYKLRENQLPRIQAGDPVARYFGIKRGQVVKIIRPSET
AGRYITYRLVQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

48.84

Interspecies Antigen Sequence

Mouse (99); Rat (99)

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 — POLR2E

Entrez GeneID [5434](#)

GeneBank Accession# [BC004441](#)

Protein Accession# [AAH04441](#)

Gene Name POLR2E

Gene Alias RPABC1, RPB5, XAP4, hRPB25, hsRPB5

Gene Description polymerase (RNA) II (DNA directed) polypeptide E, 25kDa

Omim ID [180664](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the fifth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit is shared by the other two DNA-directed RNA polymerases and is present in two-fold molar excess over the other polymerase subunits. An interaction between this subunit and a hepatitis virus transactivating protein has been demonstrated, suggesting that interaction between transcriptional activators and the polymerase can occur through this subunit. A pseudogene is located on chromosome 11. [provided by RefSeq]

Other Designations DNA directed RNA polymerase II 23 kda polypeptide|DNA directed RNA polymerase II polypeptide E|polymerase (RNA) II (DNA directed) polypeptide E (25kD)

Pathway

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

Disease

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Occupational Diseases](#)
- [Urinary Bladder Neoplasms](#)