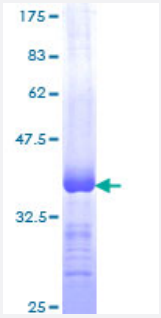
# POLR2I (Human) Recombinant Protein (Q01)

Catalog # H00005438-Q01 Size 25 ug, 10 ug

## Applications




## Specification

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|---|---|
| **Product Description** | Human POLR2I partial ORF ( AAH17112, 26 a.a. - 125 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | PKEDKENRILLYACRNCDYQQEADNSCIYVNKITHEVDELTQIIADVSQDPTLPRTEDHPCQKCGH KEAVFFQSHSARAEDAMRLYYVCTAPHCGHRWTE |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 36.74 |
| **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 — POLR2I

| | |
|---|---|
| **Entrez GeneID** | 5438 |
| **GeneBank Accession#** | BC017112 |
| **Protein Accession#** | AAH17112 |
| **Gene Name** | POLR2I |
| **Gene Alias** | RPB9, hRPB14.5 |
| **Gene Description** | polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa |
| **Omim ID** | 180662 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit, in combination with two other polymerase subunits, f orms the DNA binding domain of the polymerase, a groove in which the DNA template is transcri bed into RNA. The product of this gene has two zinc finger motifs with conserved cysteines and th e subunit does possess zinc binding activity. [provided by RefSeq |
| **Other Designations** | DNA directed RNA polymerase II polypeptide I\|polymerase (RNA) II (DNA directed) polypeptide I ( 14.5kD) |

## Pathway

- Metabolic pathways
- Purine metabolism
- Pyrimidine metabolism

- RNA polymerase