

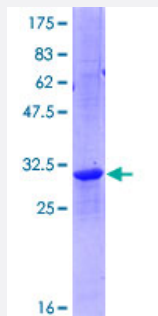
Full-Length

POLR2K (Human) Recombinant Protein (P02)

Catalog # H00005440-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human POLR2K full-length ORF (NP_005025.1, 1 a.a. - 58 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDTQKDVQPPKQQPMIYCGECHTENEIKSRDPIRCRECGYRIMYKKRTKRLVVDAR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	33.4
Interspecies Antigen Sequence	Mouse (98); Rat (100)
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 — POLR2K

Entrez GeneID	5440
GeneBank Accession#	NM_005034.3
Protein Accession#	NP_005025.1
Gene Name	POLR2K
Gene Alias	ABC10-alpha, RPABC4, RPB10alpha, RPB12, RPB7.0, hRPB7.0, hsRPB10a
Gene Description	polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa
Omim ID	606033
Gene Ontology	Hyperlink
Gene Summary	This gene encodes one of the smallest subunits 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. [provided by RefSeq]
Other Designations	DNA directed RNA polymerase II polypeptide K DNA directed RNA polymerases I, II, and III 7.0 kDa polypeptide polymerase (RNA) II (DNA directed) polypeptide K (7.0kD)

Pathway

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

Disease

- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Urinary Bladder Neoplasms](#)