

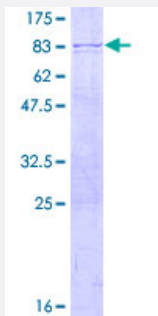
Full-Length

POLR3D (Human) Recombinant Protein (P01)

Catalog # H00000661-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human POLR3D full-length ORF (NP_001713.2, 1 a.a. - 398 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSEGNAAGEPSTPGGPRPLL TGARGLIGRRPAPPLTPGRLPSIRSRDLTLGGVKKKTFTPNISRKI
KEEPKEEVTVKKEKRERDRDRQREGHGRGRGRPEVIQSHSIFEQGAEMMKKKGNWDKTVDV
SDMGPSHIINIKKEKRETDEETKQILRMLEKDDFLDDPGLRNDTRNMPVQLPLAHSGWLFKEEND
EPDVKPWLAGPKEEDMEVDIPAVKVKEEPRDEEEEAKMKAPPKAARKTPGLPKDVSVAEELLRE
LSLTKEEELLFLQLPDTLPGQPPTQDIKPIKTEVQGEDGQVVLIKQEKDREAKLAENACTLADLTE
GQVGKLLIRKSGRVQLLLGKVTLDTMTGTACSFLLQELVSVGLGDSRTGEMTVLGHVHKHLVCSP
DFESLLDHKHR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.8

Interspecies Antigen Sequence

Mouse (94); Rat (94)

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 — POLR3D

Entrez GeneID	661
GeneBank Accession#	NM_001722.2
Protein Accession#	NP_001713.2
Gene Name	POLR3D
Gene Alias	BN51T, RPC4, RPC53, TSBN51
Gene Description	polymerase (RNA) III (DNA directed) polypeptide D, 44kDa
Omim ID	187280
Gene Ontology	Hyperlink
Gene Summary	This gene complements a temperature-sensitive mutant isolated from the BHK-21 Syrian hamster cell line. It leads to a block in progression through the G1 phase of the cell cycle at nonpermissive temperatures. [provided by RefSeq]
Other Designations	BN51 (BHK21) temperature sensitivity complementing polymerase (RNA) III (DNA directed) polypeptide D temperature sensitive complementation, cell cycle specific, tsBN51

Pathway

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