

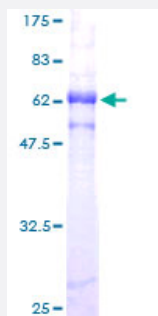
Full-Length

POLE (Human) Recombinant Protein (P01)

Catalog # H00005426-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human POLE full-length ORF (AAH21559, 1 a.a. - 370 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDPSNYGGIKGVSSRIHCGLQDSQKAGGAEDEQENEDDEEERDGEAAAAEESNVEDLLENN
WNILQFLPQAASCQNYFLMVSAYIVAVYHCKMDGLRRSAPGSTPVRRRGASQLSQEAEGAVGAL
PGMITFSQDYVANELTQSFFTITQKIQKKVTGSRNSTELSEMFPVLP GSHLLLNNPALEFIKYCKVL
SLDTNITNQVNKLNRDLLRLVDVGEFSEEAQFRDPCRSYVLPEVICRSCNFCRDLDLCKDSSFSE
DGAVLPQWLCSNCQAPYDSSAIEMTLVEVLQKKLVAFTLQDLVCLKCRGVKETSMPVYCSCAG
DFALTIHTQVFMEQIGIFRNIAQHYGMSYLLETLEWLLQKNPQLGH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66.44

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 — POLE

Entrez GeneID	5426
GeneBank Accession#	BC021559
Protein Accession#	AAH21559
Gene Name	POLE
Gene Alias	DKFZp434F222, FLJ21434, POLE1
Gene Description	polymerase (DNA directed), epsilon
Omim ID	174762
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	DNA polymerase epsilon catalytic subunit

Pathway

- [Base excision repair](#)
- [DNA replication](#)
- [Metabolic pathways](#)

- [Nucleotide excision repair](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Multiple Sclerosis](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)