

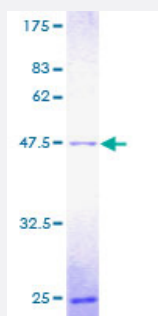
Full-Length

POLE3 (Human) Recombinant Protein (P01)

Catalog # H00054107-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human POLE3 full-length ORF (AAH03166, 1 a.a. - 147 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAERPEDLNLPNAVITRIIKEALPDGVNISKEARSAISRAASVFLYATSCANNFAMKGKRKTLNAS DVLSAMEEMEFQRFVTPPLKEALEAYRREQKGKKEASEQKKDKDKKTDSEEQDKSRDEDNDE DEERLEEEEEEQNEEEVDN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	41.91
Interspecies Antigen Sequence	Mouse (93); Rat (95)
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 — POLE3

Entrez GeneID [54107](#)

GeneBank Accession# [BC003166](#)

Protein Accession# [AAH03166](#)

Gene Name POLE3

Gene Alias CHARAC17, CHRAC17, YBL1, p17

Gene Description polymerase (DNA directed), epsilon 3 (p17 subunit)

Omim ID [607267](#)

Gene Ontology [Hyperlink](#)

Gene Summary POLE3 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging.[supplied by OMIM]

Other Designations DNA polymerase epsilon p17 subunit|DNA polymerase epsilon subunit 3|OTTHUMP00000021954|OTTHUMP00000021955|arsenic transactivated protein|chromatin accessibility complex 17|histone fold protein CHRAC17

Pathway

- [Base excision repair](#)

- [DNA replication](#)
- [Metabolic pathways](#)
- [Nucleotide excision repair](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)