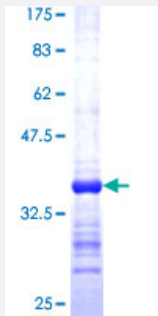


POLE4 (Human) Recombinant Protein (Q01)

Catalog # H00056655-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human POLE4 partial ORF (NP_063949, 31 a.a. - 117 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	TSVPGARLSRLPLARVKALVKADPDVTLAGQEAFILARAAELFVETIAKDAYCCAQQGKRKTLQR RDLDNAIEAVDEFAFLEGLTD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.31
Interspecies Antigen Sequence	Mouse (96); Rat (96)
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 — POLE4

Entrez GeneID [56655](#)

GeneBank Accession# [NM_019896](#)

Protein Accession# [NP_063949](#)

Gene Name POLE4

Gene Alias p12

Gene Description polymerase (DNA-directed), epsilon 4 (p12 subunit)

Omim ID [607269](#)

Gene Ontology [Hyperlink](#)

Gene Summary POLE4 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 p12 subunit|DNA polymerase epsilon subunit 4

Pathway

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

- [Purine metabolism](#)
- [Pyrimidine metabolism](#)