

Full-Length

POLE2 (Human) Recombinant Protein (P01)

Catalog # H00005427-P01

Size 50 ug

Specification

Product Description	Human POLE2 full-length ORF (ADR83207.1, 1 a.a. - 527 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAPERLRSRALSAFKLRGLLLRGEAIKYLTEALQSISELELEDKLEKIINAVEKQPLSSNMIERSVVE AAVQECSSQSVDETIEHVFNIIGAFDIPRFVYNSERKKFLPLLMTNHPAPNLFGTPRDKAEMFRERYT ILHQRTHRHELFTPPVIGSHPDSESGSKFQLKTIETLLGSTTKIGDAM/LGMITQLKEGKFFLEDPTGTV QLDLSKAQFHSGLYTEACFVLAEGWFEDQVFHVNAFGFPPTSPSTTRAYYGNINFFGGPSNTSV KTSALKKQLEEEENKDAMFVFLSDVWLDQVEVLEKLRIMFAGYSPAPPTCFILCGNFSSAPYGKNQ VQALKDSLKTLADIICEYPDIIHQSSRFVFPVGPEDPGFGSILPRPPLAESITNEFRQRPFSVFTTN PCRQYCTQEITVFREDLVNKMCRNCVRFPSNLAIPNHFVKILSQGHLTPLPLYVCPVYWAYDYA LRVYPVPDLLVIADKYDPFTTTNTECLCINPGSFPSPSGFSFKVFYPSNKTVEDSKLQGF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	58
Interspecies Antigen Sequence	Mouse (90); Rat (91)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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 — POLE2

Entrez GeneID [5427](#)

GeneBank Accession# [HQ258453.1](#)

Protein Accession# [ADR83207.1](#)

Gene Name POLE2

Gene Alias DPE2

Gene Description polymerase (DNA directed), epsilon 2 (p59 subunit)

Omim ID [602670](#)

Gene Ontology [Hyperlink](#)

Gene Summary O

Other Designations DNA polymerase epsilon subunit 2|DNA polymerase epsilon subunit B

Pathway

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

Disease

- [Urinary Bladder Neoplasms](#)