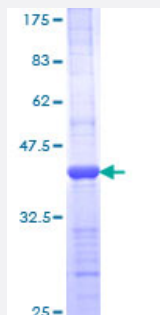


POLB (Human) Recombinant Protein (Q01)

Catalog # H00005423-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human POLB partial ORF (AA106910.1, 224 a.a. - 333 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ITDTLSKGETKFMGVCQLPSKNDEKEYPHRRIDIRLIPKDQYYCGVLYFTGSDIFNKNMRAHALEKG FTINEYTIRPLGVTGVAGEPLPVDSEKDIFDYIQWKYREPKDR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
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 — POLB

Entrez GeneID	5423
GeneBank Accession#	NM_002690
Protein Accession#	AAI06910.1
Gene Name	POLB
Gene Alias	MGC125976
Gene Description	polymerase (DNA directed), beta
Omim ID	174760
Gene Ontology	Hyperlink
Gene Summary	In eukaryotic cells, DNA polymerase beta (POLB) performs base excision repair (BER) required for DNA maintenance, replication, recombination, and drug resistance. Also see POLA (MIM 312040).[supplied by OMIM]
Other Designations	DNA pol beta DNA polymerase beta subunit

Pathway

- [Base excision repair](#)

Disease

- [Adenocarcinoma](#)

- [Adenomyoma](#)
- [Ataxia telangiectasia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [DNA Damage](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Graft vs Host Disease](#)
- [Head and Neck Neoplasms](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neuroma](#)
- [Ovarian cancer](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pharyngeal Neoplasms](#)

- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)