

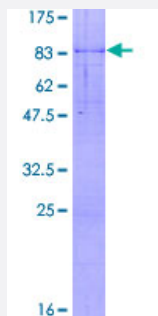
Full-Length

POLS (Human) Recombinant Protein (P01)

Catalog # H00011044-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human POLS full-length ORF (NP_008930.1, 1 a.a. - 542 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSPCPPEEAAMRREVVKRIETVVKDLWPTADVQIFGSFSTGLYLPTSDIDLVVFGKWERPPLQLLE
QALRKHNVAEPCSIKVLDKATVPIIKLTDQETEVKVDISFNMETGVRAAEFIKNYMKKYSLLPYLILVL
KQFLLQRDLNEVFTGGISSYSLILMAISFLQLHPRIDARRADENLGMLLVEFFELYGRNFNYLKTGIRI
KEGGAYIAKEEIMKAMTSGYRPSMLCIEDPLLPGNDVGRSSYGAMQVKQVFDYAYVLSHAVSPLA
RSYPNRDAESTLGRIIKVTQEVIDYRRWIKKWKWSKAHPSPGMDSRIKIERIATCNGEQTNREPE
SPYGQRLTSLSSPQLLSSGSSASSVSSLSGSDVSDTTPCCTPSVYQFSLQAPAPLMAGLPTA
LPMPGKPKQPTTSRTLIMTTNNQTRFTIPPPTLGVAPVPCRQAGVEGTASLKAVHHMSSPAIPSAS
PNPLSSPHLYHKQHNGMKLSMKGSHGHTQGGGYSSVSGSGVVRPPVGNRGHHQYNRTGWRRKK
HTHTRDSLPLVSLSR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

86.3

Interspecies Antigen Sequence

Mouse (94); Rat (94)

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 — POLS

Entrez GeneID	11044
GeneBank Accession#	NM_006999.3
Protein Accession#	NP_008930.1
Gene Name	POLS
Gene Alias	LAK-1, POLK, TRF4, TRF4-1
Gene Description	polymerase (DNA directed) sigma
Omim ID	605198
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a DNA polymerase that is likely involved in DNA repair. In addition, the encoded protein may be required for sister chromatid adhesion. [provided by RefSeq]
Other Designations	DNA polymerase kappa DNA polymerase sigma OTTHUMP00000115520 polymerase (DNA-directed) sigma topoisomerase-related function protein 4-1

Pathway

- [RNA degradation](#)

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)
- [Myopia](#)