



Recombinant Protein Technical Manual

Recombinant Human POLD2 Protein (His Tag)

RPES2482

Product Data:

Product SKU: RPES2482

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P49005

Protein Information:

Molecular Mass: 52.3 kDa

AP Molecular Mass: 56 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of PBS, 10% Glycerol, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: DNA Polymerase Delta Subunit 2; DNA Polymerase Delta Subunit p50; POLD2

Immunogen Information:

Sequence: Met 1-Pro469

Background:

DNA Polymerase Delta Subunit 2 (POLD2) belongs to the DNA polymerase delta/II small subunit family. POLD2 can form a heterotetramer composed of subunits of 125 kDa, 50 kDa, 66 kDa and 12 kDa. POLD2 possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. POLD2 is required for the stimulation of DNA polymerase delta activity by the processivity cofactor proliferating cell nuclear antigen (PCNA).