

Recombinant Human *POLD2*

Catalog No: CF68

Description	Recombinant Human DNA Polymerase Delta Subunit 2 is produced by our E.coli expression system and the target gene encoding Met1-Pro469 is expressed with a 6His tag at the C-terminus.
Expression System	E.coli
Alternative name	DNA Polymerase Delta Subunit 2; DNA Polymerase Delta Subunit p50; POLD2
Accession No.	P49005

Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, 10% Glycerol, pH 7.4.
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.

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).
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SDS-PAGE

