

Recombinant Human POLD2 Protein (His Tag)

Catalog No. PKSH032361

Note: Centrifuge before opening to ensure complete recovery of vial contents.

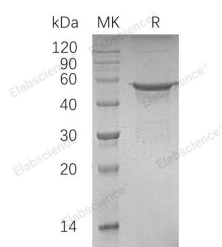
Description

Synonyms	DNA Polymerase Delta Subunit 2;DNA Polymerase Delta Subunit p50;POLD2
Species	Human
Expression Host	E.coli
Sequence	Met 1-Pro469
Accession	P49005
Calculated Molecular Weight	52.3 kDa
Observed molecular weight	56 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein 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	Not Applicable

Data



> 85 % as determined by reducing SDS-PAGE.

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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