

Recombinant Human POLQ Protein (C terminal Domain, 1792-2590)

Cat. No. POLQ-27H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLQ Protein (C terminal Domain, 1792-2590) without tag was expressed in E. coli. The C-terminal domain of Polq is located at the end of the enzyme's protein chain and is involved in various functions related to DNA repair. It contains specific motifs and regions that interact with other proteins and DNA molecules to facilitate repair processes.
Species	Human
Source	E.coli
ProteinLength	1792-2590
Description	The Pol Theta C-terminal domain refers to a specific region found in the DNA polymerase theta enzyme (Polq). Polq is a specialized DNA polymerase that plays a role in DNA repair processes, particularly in the repair of double-stranded DNA breaks.
Molecular Mass	90.97 kDa
Purity	> 98% by SDS-PAGE
Usage	DNA polymerase activity assay, Inhibitor screening for drug discovery, DNA repair mechanisms study

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Storage	Stable for 12 months at -80 centigrade, Avoid freeze/thaw cycles
Storage Buffer	40 mM Tris pH 8.0, 150 mM KCl, 150 mM ammonium acetate, 10% glycerol, 1 mM TCEP, 1 mM PMSF, 1 mM Benzamidine
GENE INFORMATION	
Gene Name	POLQ polymerase (DNA directed), theta [Homo sapiens (human)]
Official Symbol	POLQ
Synonyms	POLQ; polymerase (DNA directed), theta; DNA polymerase theta; POLH; DNA polymerase eta; PRO0327; DKFZp781A0112;
Gene ID	10721
mRNA Refseq	NM_199420
Protein Refseq	NP_955452
MIM	604419
UniProt ID	O75417

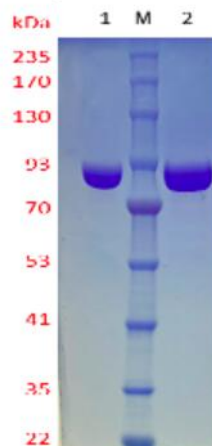
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SDS-PAGE

POLQ-C-terminal Domain



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