9051 Mira Mesa Blvd, #910094
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POLD4 Human

Polymerase Delta 4 Human Recombinant
RCP1678

Product Overview

Name	POLD4 Human
Description	
Polymerase Delta 4 Human Recombinant	
Accession (Primary)	Q9HCU8
Synonyms	
DNA polymerase delta subunit 4, p12, POLDS, DNA polymerase delta subunit p12, POLD4, Polymerase Delta 4.	
Introduction	
Polymerase Delta 4 also known as POLD4 is the smallest subunit of DNA polymerase delta. DNA polymerase delta which takes a vital part in DNA replication and repair possesses both polymerase and 3' to 5' exonuclease activity. POLD4 increases the activity of DNA polymerase delta and takes a part in fork repair and stabilization during interactions with the DNA helicase Bloom syndrome protein. POLD4 contributes to PCNA-dependent activity of DNA polymerase delta.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The POLD4 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 40% glycerol and 2mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MGRKRLI TDSYPVVKRR EGPAGHSKGE LAPELGEEPQ PRDEEEAELE LLRQFDLAWQ YGPCTGITRL QRWCRAKQMG LEPPPEVWQV LKTHPGDPRF QCSLWHLYPL.	
Precautions	
POLD4 Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (Q9HCU8)