

32-4474: Recombinant Human Polymerase Delta 4

Alternative Name : DNA polymerase delta subunit 4,p12,POLDS,DNA polymerase delta subunit p12,POLD4,Polymerase Delta 4.

Description

Source : Escherichia Coli. POLD4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 130 amino acids (1-107) and having a molecular mass of 14.8kDa.POLD4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The POLD4 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 40% glycerol and 2mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGS MGRKRLI TDSYPVVKRR EGPAGHSGKE LAPELGEEPQ PRDEEEAELE LLRQFDLAWQ YGPCTGITRL QRWCRAKQMG LEPPPEVWQV LKTHPGDPRF QCSLWHLYPL.