

Product datasheet for **AR51106PU-N**

POLD4 (1-107, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	POLD4 (1-107, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMGRKRLLI TDSYPVVKRR EGPAGHSKGE LAPELGEEPQ PRDEEEAELE LLRQFDLAWQ YGPCTGITRL QRWCRAKQMG LEPPPEVWQV LKTHPGDPRF QCSLWHL YPL
Tag:	His-tag
Predicted MW:	14.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human POLD4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001243799
Locus ID:	57804
UniProt ID:	Q9HCU8
Cytogenetics:	11q13.2
Synonyms:	DNA polymerase delta subunit 4, POLDS



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Summary:

This gene encodes the smallest subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. The encoded protein enhances the activity of DNA polymerase delta and plays a role in fork repair and stabilization through interactions with the DNA helicase Bloom syndrome protein. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]

Protein Pathways:

Base excision repair, DNA replication, Homologous recombination, Metabolic pathways, Mismatch repair, Nucleotide excision repair, Purine metabolism, Pyrimidine metabolism

Product images: