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Product datasheet for TP762121

POLD1 (NM_002691) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human polymerase (DNA directed), delta 1, catalytic subunit 125kDa (POLD1),Arg850-end, with N-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Arg850-end) of POLD1
Tag:	N-His
Predicted MW:	29.2 kDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002682
Locus ID:	5424
UniProt ID:	P28340, A0A024R4F4, Q59FA0
RefSeq Size:	3464
Cytogenetics:	19q13.33
RefSeq ORF:	3321
Synonyms:	CDC2; CRCS10; MDPL; POLD

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Summary: This gene encodes the 125-kDa catalytic 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. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 6. [provided by RefSeq, Mar 2012]

Protein Families: Druggable Genome, Stem cell - Pluripotency

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

Product images: