

Recombinant Mouse Pold1 Protein, His-tagged

Cat. No. Pold1-1958M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pold1 Protein (Ser29-Gly260) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser29-Gly260
Description	Enables 3'-5' exonuclease activity and enzyme binding activity. Involved in DNA biosynthetic process. Acts upstream of or within DNA replication proofreading and base-excision repair, gap-filling. Part of delta DNA polymerase complex. Is expressed in several structures, including alimentary system; brain; genitourinary system; respiratory system; and sensory organ. Orthologous to human POLD1 (DNA polymerase delta 1, catalytic subunit).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.1 kDa Accurate Molecular Mass: 30 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Pold1 polymerase (DNA directed), delta 1, catalytic subunit [Mus musculus (house mouse)]
Official Symbol	Pold1
Synonyms	Pold1; polymerase (DNA directed), delta 1, catalytic subunit; 125kDa; DNA polymerase delta catalytic subunit; 3'-5' exodeoxyribonuclease; DNA polymerase delta 1, catalytic domain; EC 2.7.7.7
Gene ID	18971
mRNA Refseq	NM_011131
Protein Refseq	NP_035261
UniProt ID	P52431

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