

Recombinant *S. solfataricus* SSOP1_RS12265 protein

Cat. No. SSOP1_RS12265-1530S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant DNA Polymerase 4 of Sulfolobus solfataricus was expressed in E. coli.
Species	S.solfataricus
Source	E.coli
Description	Dpo4 is DNA polymerase 4 of the thermophilic archaea Sulfolobus solfataricus. It is a DinB or human Polk homologue. As a member of the Y family DNA polymerases, Dpo4 is able to perform translesion synthesis and is a low fidelity DNA polymerase in copying undamaged DNA. Dpo4 is active at high temperatures.
Molecular Mass	42 kDa
Usage	Reaction Buffer: 25 mM potassium phosphate (pH 7.0), 5 mM MgCl ₂ , 5 mM DTT, 100 µg/ml BSA, 10% glycerol, 50-100 µM dNTPs. Dilution Buffer: 25 mM Tris-HCl (pH 7.5), 2.5 mM β-mercaptoethanol, 50% glycerol.

GENE INFORMATION

Gene Name	SSOP1_RS12265 DNA polymerase IV [Sulfolobus solfataricus]
Official Symbol	SSOP1_RS12265
Synonyms	SSOP1_RS12265; DNA Polymerase 4

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Gene ID	27428748
Protein Refseq	WP_009993137.1
UniProt ID	Q97W02

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