Recombinant Saccharomyces cerevisiae POL4 Protein, His-tagged

Cat. No. POL4-14S **Lot. No.** (See product label)

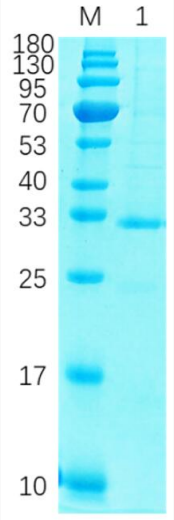
SPECIFICATION

Product Overview	Recombinant Saccharomyces cerevisiae POL4 Protein, fused to His-tag, was expressed in E. coli.
Species	S.cerevisiae
Source	E.coli
Description	Enables DNA-directed DNA polymerase activity. Involved in double-strand break repair via nonhomologous end joining. Predicted to be active in nucleus. Human ortholog(s) of this gene implicated in pancreatic cancer. Orthologous to several human genes including POLL (DNA polymerase lambda).
Form	50mM Tris-HCl, 300mM NaCl, 10%glycerol, pH 8.0
Molecular Mass	34.5 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMENLYFQSKKIQVILDTGVLPGLNDSVGLEDKLKYF KNCYGIGSEIAKRWNLLNFESFCVAAKKDPEEFVSDWTILFGWSYYDDWLCKMSRN ECFTHLKKVQKALRGIDPECQVELQGSYNRGYSKCGDIDLLFFKPFCNDTTELAKIM ETLCIKLYKDGYIHCFLQLTPNLEKLFLKRIVERFRTAKIVGYGERKRWYSSEIIKKFFM GVKLSPRELEELKEMKNDEGTLLIEEEEEEETKLKPIDQYMSLNAKDGNYCRRLDFF CCKWDELG
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

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	protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.14 mg/ml

GENE INFORMATION

Gene Name	POL4 DNA-directed DNA polymerase IV [Saccharomyces cerevisiae S288C]
Official Symbol	POL4
Gene ID	850372
mRNA Refseq	NM_001178727
Protein Refseq	NP_009940
UniProt ID	P25615
SDS-PAGE	

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Reducing 12% SDS-PAGE analysis profile of purified DNA polymerase IV 247-512 (CBB stained).

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