

Recombinant *Saccharomyces cerevisiae* POL4 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant <i>Saccharomyces cerevisiae</i> POL4 Protein, fused to His-tag, was expressed in <i>E. coli</i> .
Species	<i>S.cerevisiae</i>
Source	<i>E.coli</i>
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	MGSSHHHHHHSSGLVPRGSHMENLYFQSKKIQVILDTGVLPGLNDSVGLEDKLYF KNCYGIGSEIAKRWNLLNFESFCVAAKKDPEEFVSDWTILFGWSYYDDWLCKMSRN ECFTHLKKVQKALRGIDPECQVELQGSYNRGYSKCGDIDLLFFKPFCDTTELAKIM ETLCIKLYKDGYIHCFLQLTPNLEKLFLKRIVERFRTAKIVGYGERKRWYSSEIIKKFFM GVKLSPRELEELKEMKNDEGTLIIEEEEEEETKLKPIDQYMSLNAKDGN YCRRLDFF 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

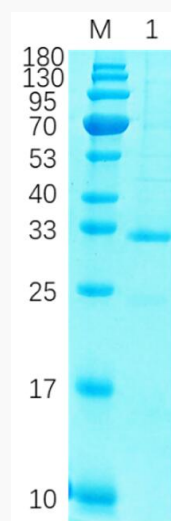
Gene ID 850372

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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