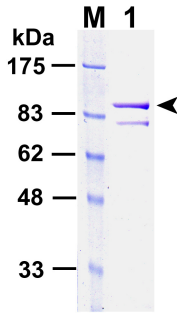
Yeast Rev1

Molecular Mass: 112 kDa

Catalog #	Size	Price
25	5 µg	$500



Purified yeast Rev1. The protein (300 ng) was analyzed by electrophoresis on a 10% SDS-polyacrylamide gel and visualized by staining with Coomassie blue. The arrowhead indicates the full length Rev1. The faint band below the arrowhead is a truncation product of Rev1. Protein truncation (degradation) is common among the Y family DNA polymerases in eukaryotes. Protein size markers (lane M) are indicated on the left.

Description

Yeast Rev1 is a member of the Y family DNA polymerases. It possesses the DNA template-dependent dCMP transferase. In yeast cells, Rev1 is required for mutagenesis induced by several types of DNA damaging agents. *In vitro*, Rev1 is able to insert a C opposite several types of DNA lesions.

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.