

## DNA Repair, Replication, Recombination

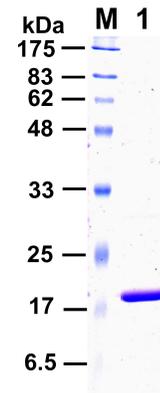
### T4 endoV

Molecular Mass: 16 kDa

Catalog #	Size	Price
24	5 µg	\$250

#### Description

T4 endoV is a DNA glycosylase with associated AP lyase encoded by bacteriophage T4. This enzyme recognizes cyclobutane pyrimidine dimers (CPDs) of UV radiation. The glycosylase hydrolyzes the C-N glycosylic bond of the 5' CPD base. The resulting AP site is then cleaved at its 3' side by the AP lyase of T4 endoV, leading to DNA strand break immediately 5' to the CPD site. T4 endoV is widely used for assays of transcription-coupled DNA repair of UV radiation.



**Purified T4 endoV.** The protein (960 ng) was analyzed by electrophoresis on a 15% SDS-polyacrylamide gel and visualized by staining with Coomassie blue. Protein size markers (lane M) are indicated on the left.