

**Cdc25A**

Cell division cycle phosphatase  
human, recombinant, *E. coli*

Cat. No.	Amount
PR-348	20 µg

**For general laboratory use.**

**Shipping:** shipped on dry ice

**Storage Conditions:** store at -80 °C

**Additional Storage Conditions:** avoid freeze/thaw cycles

**Shelf Life:** 12 months

**Molecular Weight:** 68 kDa

**Accession number:** M81933

**Purity:** > 90 % (SDS-PAGE)

**Form:** liquid (Supplied in 20 mM Tris-HCl pH 8.0, 100 mM NaCl, 1 mM EDTA and 1 mM DTT)

**Description:**

The dual specific Cdc25A (Cell division cycle) phosphatase regulates cell cycle progression, has oncogenic and anti-apoptotic activity, and is overexpressed in many human tumors. The protein does not have tags.

**Assay buffer:** 50 mM Tris-HCl, pH 8.0, 50 mM NaCl, 0.1 mM EDTA.

**Activity:**

1 nmol of Cdc25A will hydrolyze 10 nmol of pNPP per minute at 37°C at pH 8.0.

**Selected References:**

Fauman *et al.* (1998) Crystal structure of the catalytic domain of the human cell cycle control phosphatase, Cdc25A. *Cell* **93**:617.

Gottlin *et al.* (1996) Kinetic analysis of the catalytic domain of human cdc25B. *J. Biol. Chem.* **271**:27445.