



Protein Phosphatase Cdc25A

Product Data Sheet

For Research Use Only, Not for use in diagnostic procedures

## Protein Phosphatase Cdc25A

(Human, a.a. 336-524, recombinant enzyme expressed in *E. coli*.)

Cat# CY-E1352

Lot No.

50 µg (0.5 µg/µL x 100 µL)

**Product Description:** Human Cdc25A, residues 336-524, containing N-terminal GST tag, expressed in *E. coli*. Purified by GSH agarose chromatography. The recombinant Cdc25A is designed to use for CycLex Cdc25A Fluorometric Assay Kit [Cat# CY-1352]. The recombinant Cdc25A should be added to the well at 0.5µg/well. Unused recombinant Cdc25A should be stored at -70°C. AVOID FREEZE/THAW CYCLES!

**Formulation:** This recombinant protein is supplied frozen in a buffer containing 20mM Tris-HCl (pH 8.2), 1mM EDTA, 2 mM dithiothreitol and 50% glycerol.

**Source:** Human Cdc25A, residues 336-524, containing N-terminal GST tag, expressed in expressed in *E. coli*.

**Molecular Weight:** This recombinant protein demonstrates a single 45 kDa band by SDS-PAGE analysis.

**Purity:** This recombinant protein is greater than 90 % pure as determined by SDS-PAGE analysis.

**Specific Activity:** 220 units/µg. This unit value is determined at the point of production and may vary with time and various conditions. Specific Activity also varies among production lots.

**Unit Definitions:** One unit is defined as the amount of phosphatase required to release 1 pmol of phosphate from 3-o-methyl fluorescein phosphate (OMFP) per minute in 50 mM Tris, 1 mM dithiothreitol, 10% glycerol, 1% polyvinyl alcohol, pH 8.2 at room temperature.

**Storage and Stability:** Stable for 12 months at -70°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot enzyme to avoid repeated freezing and thawing.

### Related Products:

- \*Protein Phosphatase Cdc25A Fluorometric Assay Kit: Cat# CY-1352
- \*Protein Phosphatase Cdc25B Fluorometric Assay Kit: Cat# CY-1353
- \*Protein Phosphatase Cdc25C Fluorometric Assay Kit: Cat# CY-1354
- \*Protein Phosphatase Cdc25 Combo Fluorometric Assay Kit: Cat# CY-1355
- \*Recombinant Cdc25A (catalytic domain): Cat# CY-E1352
- \*Recombinant Cdc25B (catalytic domain): Cat# CY-E1353
- \*Recombinant Cdc25C (catalytic domain): Cat# CY-E1354



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**General References:**

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**PRODUCED BY**

CycLex Co., Ltd.  
1063-103 Terasawaoka  
Ina, Nagano 396-0002  
Japan  
Fax: +81-265-76-7618  
e-mail: [info@cyclex.co.jp](mailto:info@cyclex.co.jp)  
URL: <http://www.cyclex.co.jp>

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