



Protein Phosphatase Cdc25B

Product Data Sheet

For Research Use Only, Not for use in diagnostic procedures

## Protein Phosphatase Cdc25B

(Human, a.a. 351-580, recombinant enzyme expressed in *E. coli*.)

Cat# CY-E1353

Lot No.

50 µg (0.5 µg/µL x 100 µL)

**Product Description:** Human Cdc25B, residues 351-580, containing N-terminal GST tag, expressed in *E. coli*. Purified by GSH agarose chromatography. The recombinant Cdc25B is designed to use for CycLex Cdc25B Fluorometric Assay Kit [Cat# CY-1353]. The recombinant Cdc25B should be added to the well at 0.5µg/well. Unused recombinant Cdc25B should be stored at -70°C. AVOID FREEZE/THAW CYCLES!

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

**Source:** Human Cdc25B, residues 351-580, containing N-terminal GST tag, expressed in expressed in *E. coli*.

**Molecular Weight:** This recombinant protein demonstrates a single 51 kDa band by SDS-PAGE analysis.

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

**Specific Activity:** 1,569 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



## Protein Phosphatase Cdc25B

### Product Data Sheet

**For Research Use Only, Not for use in diagnostic procedures**

#### General References:

1. Morgan, D. O. (1997) *Annu. Rev. Cell Dev. Biol.* **13**, 261-291
2. Jinno, S., Suto, K., Nagata, A., Igarashi, M., Kanaoka, Y., Nojima, H., and Okayama, H. (1994) *EMBO J.* **13**, 1549-1556
3. Hoffmann, I., Draetta, G., and Karsenti, E. (1994) *EMBO J.* **13**, 4302-4310
4. Nagata, A., Igarashi, M., Jinno, S., Suto, K., and Okayama, H. (1991) *New Biol.* **3**, 959-968
5. Karlsson, C., Katich, S., Hagting, A., Hoffmann, I., and Pines, J. (1999) *J. Cell Biol.* **146**, 573-583
6. Hoffmann, I., Clarke, P. R., Marcote, M. J., Karsenti, E., and Draetta, G. (1993) *EMBO J.* **12**, 53-63
7. Furnari, B., Rhind, N., and Russell, P. (1997) *Science* **277**, 1495-1497
8. Sanchez, Y., Wong, C., Thoma, R. S., Richman, R., Wu, Z., Piwnicka-Worms, H., and Elledge, S. J. (1997) *Science* **277**, 1497-1501
9. Peng, C.-Y., Graves, P. R., Thoma, R. S., Wu, Z., Shaw, A. S., and Piwnicka-Worms, H. (1997) *Science* **277**, 1501-1505
10. Galaktionov, K., Lee, A. K., Eckstein, J., Draetta, G., Meckler, J., Loda, M., and Beach, D. (1995) *Science* **269**, 1575-1577

#### 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>

CycLex/CircuLex products are supplied for research use only. CycLex/CircuLex products and components thereof may not be resold, modified for resale, or used to manufacture commercial products without prior written approval from CycLex Co., Ltd. To inquire about licensing for such commercial use, please contact us via email.