



Protein Phosphatase Cdc25C

Product Data Sheet

For Research Use Only, Not for use in diagnostic procedures

Protein Phosphatase Cdc25C

(Human, a.a. 275-473, recombinant enzyme expressed in *E. coli*.)

Cat# CY-E1354

Lot No.

50 µg (0.5 µg/µL x 100 µL)

Product Description: Human Cdc25C, residues 275-473, containing N-terminal GST tag, expressed in *E. coli*. Purified by GSH agarose chromatography. The recombinant Cdc25C is designed to use for CycLex Cdc25C Fluorometric Assay Kit [Cat# CY-1354]. The recombinant Cdc25C should be added to the well at 0.5µg/well. Unused recombinant Cdc25C 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), 1 mM EDTA, 2 mM dithiothreitol and 50% glycerol.

Source: Human Cdc25C, residues 275-473, containing N-terminal GST tag, expressed in expressed in *E. coli*.

Molecular Weight: This recombinant protein demonstrates a single 48 kDa band by SDS-PAGE analysis.

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

Specific Activity: 340 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
URL: <http://www.cyclex.co.jp>

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