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)

Product Description: Human Cdc25B, residues 351-580, containing an N-terminal GST tag, is expressed in *E. coil*. and 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 0.5 µg/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), 1 mM EDTA, 2 mM dithiothreitol and 50 % glycerol.

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

Molecular Weight: Approximately 51 kDa band by SDS-PAGE analysis.

Purity: > 90 % pure as determined by SDS-PAGE analysis.

Specific Activity: 1,569 units/µg*. This unit value was determined at the point of production and may vary with time and various conditions. Specific Activity also varies among production lots.
* The activity may change depending on lot. See the real data sheet attached to the product.

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.

References:
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