CDC25C (human), (recombinant)

CDC25 protein tyrosine phosphatases activate cyclin dependent kinases by dephosphorylating them, promoting cell division. All three of the genes encoding the CDC25 phosphatases are considered potential oncogenes and the enzymes are drug discovery targets. CDC25C activates CDC2/cyclin B which controls entry into mitosis. CDC25C, itself, is regulated by phosphorylation and binding to 14-3-3 proteins.

Ordering Information

Order Online »

BML-SE366-0050	50µg

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage -80°C

Shipping Dry Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name Cell division cycle 25C, Dual specificity phosphatase CDC25C

Application Notes Useful for kinetic studies and high throughput screening.

Formulation Liquid. In 50mM TRIS/HCl, pH 8.0, 150mM NaCl, 5mM DTT, 0.1mM EDTA, 0.03% Brij 35, 20% glycerol.

MW 54 kDa

Purity Detail Partially purified by single-step affinity chromatography and gel filtration.

Source Produced in *E. coli*. Full length human CDC25C.

Specific Activity ≥14 U/mg assayed by 3-O-methyl fluorescein phosphate (OMFP) hydrolysis at pH 8.2, 30°C. One unit is equal to 1 nmole phosphate hydrolyzed from OMFP per minute.

UniProt ID P30307

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