

## CDC25C Protein, Human, Recombinant (His)

### General Information

Synonyms: M-phase inducer phosphatase 3;CDC25C;Dual specificity phosphatase Cdc25C

Protein Construction: 1-473 aa

Species: Human

Expression Host: E. coli

Accession: P30307

Molecular Weight: 57.4 kDa (predicted)

AA Sequence: MSTELFSSTREEGSSGSGPSFRSNQRKMLNLLERDTSFTVCPDVPRTVPVGKFLGDSANLSILSGGTPKRCLDL  
SNLSSGEITATQLTTSADLDETGHLDSGLQEVHLAGMNHQHLMKCSQAQLLCSTPNGLDRGHRKRDAMC  
SSSANKENDNGNLVDSEMKYLGSPITTVPKLDKNPNLGEDQAEIISDELMEFSLKDQEAKVSRSGLYRSPSM  
PENLNRRLKQVEKFKDNTIPDKVKKKYFSGQGKLRKGLCLKKTVSLCDITITQMLEEDSNQGHGHLIGDFSKVCA  
LPTVSGKHQDLKYVNPETVAALLSGKFQGLIEKFYVIDCRYPYEYLGHHIQQALNLYSQEELFNFFLKKPIVPLD  
TQKRIVFHFCESSERGPVMCRCLREEDRSLNQYPALYPPELYILKGGYRDFPFPEYMELCEPQSYCPMHHQDH  
KTELLRCRSQSKVQEGERQLREQIALLVKDMSP

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

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

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

### Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

## A DRUG SCREENING EXPERT

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Functions as a dosage-dependent inducer in mitotic control. Tyrosine protein phosphatase required for progression of the cell cycle. When phosphorylated, highly effective in activating G2 cells into prophase. Directly dephosphorylates CDK1 and activates its kinase activity.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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