

## Product datasheet

# Cdc25C peptide ab204876

### Description

Product name	Cdc25C peptide
Animal free	No
Nature	Synthetic
Sequence	CKKLGEDQAEESDDLLEDLSDEDE

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab204876** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC Functional Studies
Form	Lyophilized
Additional notes	ab204876 (Cdc25C peptide) can be utilized as a substrate for the following active protein kinases:  <a href="#">ab125620</a> (Active human GRK2 full length protein) <a href="#">ab125576</a> (Active human GRK6 full length protein) <a href="#">ab125599</a> (Active human GRK7 full length protein)

### Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
Reconstitution	Dilute peptide in 20mM Tris-HCl, pH 7.5 solution to a final concentration of 1 mg/ml. For optimal storage, aliquot diluted product into smaller quantities and store at recommended temperature.

### General Info

Function	Functions as a dosage-dependent inducer in mitotic control. It is a tyrosine protein phosphatase required for progression of the cell cycle. It directly dephosphorylates CDK1 and activate its kinase activity.
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<b>Sequence similarities</b>	Belongs to the MPI phosphatase family. Contains 1 rhodanese domain.
<b>Developmental stage</b>	Expressed predominantly in G2 phase.
<b>Post-translational modifications</b>	Phosphorylated by CHK1 on Ser-216. This phosphorylation creates a binding site for 14-3-3 protein and inhibits the phosphatase. Phosphorylated by PLK4.
<b>Cellular localization</b>	Nucleus.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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