

Product datasheet

Cdc25C peptide ab204870

Description

Product name	Cdc25C peptide
Animal free	No
Nature	Synthetic
Sequence	CKKLGEDQAEEISDDLLEDSLSDEDE

Specifications

Our [Abpromise guarantee](#) covers the use of **ab204870** in the following tested applications.

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

Applications	Functional Studies HPLC
Form	Liquid
Additional notes	ab204870 (Cdc25C peptide) can be utilized as a substrate for the active protein kinase ab105126 (Active human GRK1 full length protein)

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle. pH: 7.5 See comments
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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.
Sequence similarities	Belongs to the MPI phosphatase family. Contains 1 rhodanese domain.
Developmental stage	Expressed predominantly in G2 phase.
Post-translational	Phosphorylated by CHK1 on Ser-216. This phosphorylation creates a binding site for 14-3-3

modifications	protein and inhibits the phosphatase. Phosphorylated by PLK4.
Cellular localization	Nucleus.

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