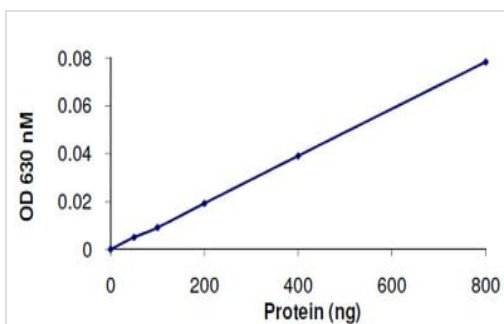


Recombinant human Cdc25B protein ab105906

3 图像

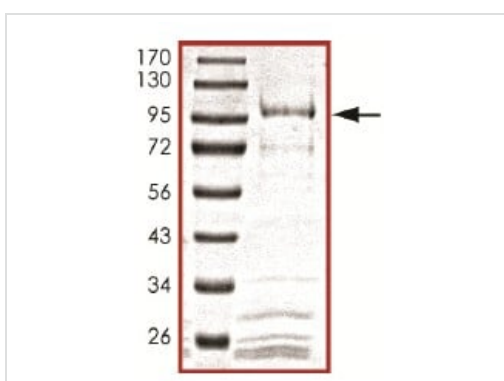
描述		
产品名称	重组人Cdc25B蛋白	
生物活性	The Specific activity of ab105906 was determined to be 21 nmol/min/mg.	
纯度	> 70 % Densitometry. Purity was determined to be >70% by densitometry. Affinity purified.	
表达系统	Baculovirus infected Sf9 cells	
Accession	<u>P30305</u>	
蛋白长度	Full length protein	
无动物成分	No	
性质	Recombinant	
种属	Human	
序列	MEVPQPEPAPGSALSPAGVCGGAQRPGHLPGLLLGSHGLLGSPVRAAASS PVTTLTQTMHDLAGLGSETPKSQVGTLFRSRSLTHLSLSRRASESSL SESSESSDAGLCMDSPSPMDPHMAEQTFEQAIQAASRIIRNEQFAIRRFQ SMPVRLLGHSPVLRNITNSQAPDGRRKSEAGSGAASSSGEDKENDGFVFK MPWKPTHPSSTHALAEWASRREAFQRPSSAPDLMCLSPDRKMEVEELSP LALGRFSLTPAEGDTEEDDGFDILESDLKDDDAVPPGMESLISAPLVKT LEKEEEKDLVMYSKCQRLFRSPSMPCSVIRPILKRLERPQDRDTPVQNK RRSVTPPEEQQEAEPEKARVLRSKSLCHDEIENLLSDHRELIGDYSKAF LLQTVDGKHQDLKYISPETMVALLTGKFSNIVDKFVIVDCRYPYEYEGGH IKTAVNLPLERDAESFLLKSPIAPCSLDKRVILIFHCEFSSE RGPRMCRF IRERDRAVNDYPSLYPEMYILKGGYKEFFQHPNFCEPQDY RPMNHEAF KDELKTFRLKTRSWAGERSRRELCSRLQDQ	
预测分子量	110 kDa including tags	

氨基酸	1 to 580
技术指标	
Our Abpromise guarantee covers the use of ab105906 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	Western blot Functional Studies
形式	Liquid
制备和贮存	
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.307% Glutathione, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
常规信息	
功能	Tyrosine protein phosphatase which functions as a dosage-dependent inducer of mitotic progression. Required for G2/M phases of the cell cycle progression and abscission during cytokinesis in a ECT2-dependent manner. Directly dephosphorylates CDK1 and stimulates its kinase activity. The three isoforms seem to have a different level of activity.
序列相似性	Belongs to the MPI phosphatase family. Contains 1 rhodanese domain.
翻译后修饰	Phosphorylated by BRSK1 in vitro. Phosphorylated by CHEK1, which inhibits the activity of this protein. Phosphorylation at Ser-353 by AURKA might locally participate in the control of the onset of mitosis. Phosphorylation by MELK at Ser-169 promotes localization to the centrosome and the spindle poles during mitosis. Phosphorylation at Ser-323 and Ser-375 by MAPK14 is required for binding to 14-3-3 proteins.
细胞定位	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole.
图片	



Functional Studies - Recombinant human Cdc25B protein (ab105906)

The Specific activity of ab105906 was determined to be 21 nmol/min/mg.



SDS-PAGE - Recombinant human Cdc25B protein (ab105906)

SDS-PAGE showing ab105906 at approximately 110kDa.



Western blot - Recombinant human Cdc25B protein (ab105906)

Anti-Cdc25B antibody (**ab70927**) at 1/100 dilution + Recombinant human Cdc25B protein (ab105906) at 0.01 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 10 seconds

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