

Product datasheet

Recombinant human Dyrk1B/MIRK protein (Active)  
ab207116

2 Images

Description

<b>Product name</b>	Recombinant human Dyrk1B/MIRK protein (Active)
<b>Biological activity</b>	The specific activity of ab207116 was determined to be 550 nmol/min/mg.
<b>Purity</b>	> 90 % Densitometry.
<b>Expression system</b>	Baculovirus infected Sf9 cells
<b>Accession</b>	<a href="#">Q9Y463</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p>MAVPPGHGPFSGFPGPQEHTQVLPDVRLPRRLPLA  FRDATSAPLRKLSV  DLIKTYKHINEVYYAKKKRRAQQAPPQDSSNKKEKKVL  NHGYDDDNHDI  VRSGERWLEREIDSLIGKSGFGQVVKAYDHQTQELV  AIKIIKNKKAFLN  QAQIELRLELMNQHDTEMKYIVHLKRHFMRNHLCL  VFELLSYNLYDL  LRNTHFRGVSLNLTRKLAQQQLCTALLFLATPELSIIHCDL  KPENILLCNP  KRSAIKVDFGSSCQLGQRIYQIQSRFYRSPEVLLGTPY  DLAIDMWSLG  CILVEMHTGEPLFSGSNEVDQMNRIEVLGIPPAAML  QAPKARKYFERL  PGGGWTLRRTKELRKDYQGPTRRLQEVLGVQTGGP  GGRRAGEPGHSPAD  YLRFQDLVLRMLEYEPAAARISPLGALQHGFRRRTADEA  TNTGPAGSSAST  SPAPLDTCPSSSTASSISSGGSSGSSSDNRTYRYSN  RYCGGPGPPITDC  EMNSPQVPPSQPLRPWAGGDVPHKTHQAPASASSL  PGTGAQLPPQPRYL</p>

RPPSPTSPPPPELMDVSLVGGPADCSPPHPAPAPQH  
PAASALRTRMTGGR  
PPLPPPDDPATLGPLGLRGVPQSTAASS

<b>Predicted molecular weight</b>	106 kDa including tags
<b>Amino acids</b>	1 to 629
<b>Tags</b>	GST tag N-Terminus
<b>Additional sequence information</b>	BC018751

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab207116** in the following tested applications.

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

<b>Applications</b>	Functional Studies SDS-PAGE
<b>Form</b>	Liquid
<b>Additional notes</b>	This product was previously labelled as Dyrk1B

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.5 Constituents: 0.79% Tris HCl, 0.87% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol This product is an active protein and may elicit a biological response in vivo, handle with caution.
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## General Info

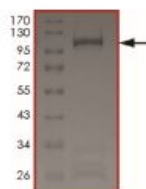
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<b>Function</b>	Dual-specificity kinase which possesses both serine/ threonine and tyrosine kinase activities. Enhances the transcriptional activity of TCF1/HNF1A and FOXO1. Inhibits epithelial cell migration. Mediates colon carcinoma cell survival in mitogen-poor environments.
<b>Tissue specificity</b>	Highest expression in skeletal muscle, testis, heart and brain with little expression in colon or lung. Expressed in a variety of tumor cell lines.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MNB/DYRK subfamily. Contains 1 protein kinase domain.
<b>Post-translational modifications</b>	Autophosphorylated on tyrosine residues. Phosphorylated by MAP kinase. Tyrosine phosphorylation may be required for dimerization.
<b>Cellular localization</b>	Nucleus.

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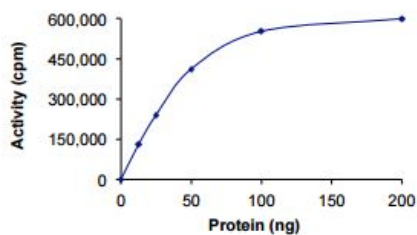
## Images

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SDS-PAGE analysis of ab207116 by densitometry, approximate MW 106 kDa.

SDS-PAGE - Recombinant human Dyrk1B/MIRK protein (Active) (ab207116)



The specific activity of ab207116 was determined to be 550 nmol/min/mg.

Functional Studies - Recombinant human Dyrk1B/MIRK protein (Active) (ab207116)

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

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