

## Product datasheet

### Recombinant human RSK4 protein (Active) ab85296

[5 Images](#)

#### Description

<b>Product name</b>	Recombinant human RSK4 protein (Active)
<b>Biological activity</b>	Specific activity: 540nmol/min/mg.
<b>Purity</b>	> 90 % Densitometry. Affinity purified.
<b>Expression system</b>	Baculovirus infected Sf9 cells
<b>Accession</b>	<a href="#"><u>Q9UK32</u></a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Molecular weight information</b>	112 kDa by SDS-PAGE
<b>Tags</b>	GST tag N-Terminus
<b>Additional sequence information</b>	GenBank: NM_014496

#### Specifications

Our [\*\*Abpromise guarantee\*\*](#) covers the use of **ab85296** 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>	Western blot Functional Studies
<b>Form</b>	Liquid
<b>Additional notes</b>	<a href="#"><b>ab204879</b></a> (RPS6 peptide) can be utilized as a substrate for assessing kinase activity

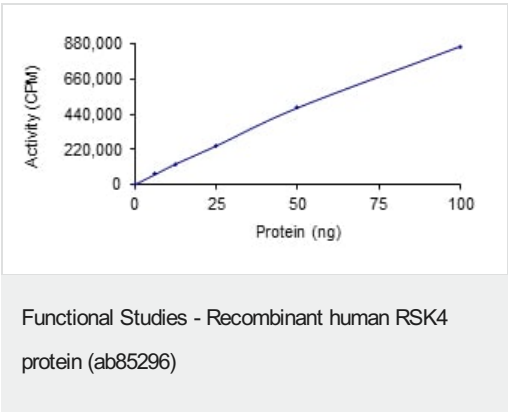
#### Preparation and Storage

<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 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.
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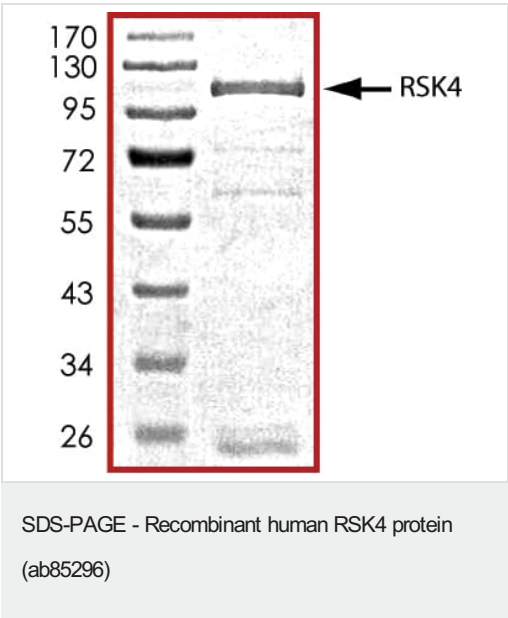
General Info

Function	Serine/threonine kinase that may play a role in mediating the growth-factor and stress induced activation of the transcription factor CREB.
Sequence similarities	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 2 protein kinase domains.
Post-translational modifications	Autophosphorylated on Ser-389, as part of the activation process.

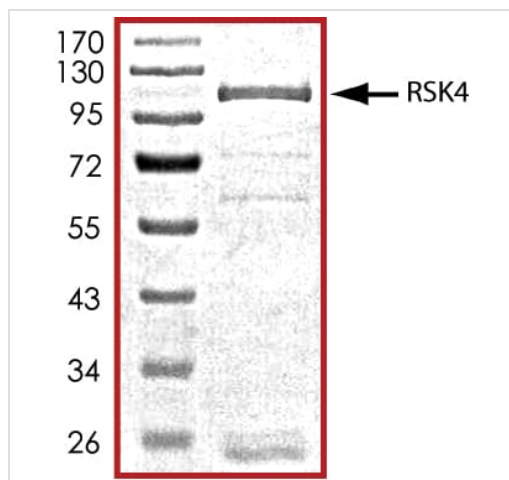
Images



The specific activity of RSK4 (ab85296) was determined to be 556 nmol/min/mg as per activity assay protocol

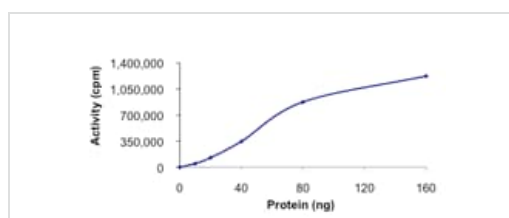


SDS PAGE analysis of ab85296



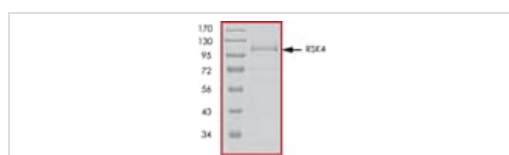
SDS PAGE analysis of ab85296

SDS-PAGE - Recombinant human RSK4 protein  
(ab85296)



Example of specific activity of ab85296

Functional Studies - Recombinant human RSK4  
protein (ab85296)



SDS Page analysis of ab85296

SDS-PAGE - Recombinant human RSK4 protein  
(ab85296)

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

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- Response to your inquiry within 24 hours

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