

## Product datasheet

# Recombinant human GRK3 protein ab131701

[5 Images](#)

### Description

<b>Product name</b>	Recombinant human GRK3 protein
<b>Biological activity</b>	The specific activity of ab131701 was determined to be 6 nmol/min/mg
<b>Purity</b>	> 95 % SDS-PAGE. Assessed by densitometry. Affinity purified.
<b>Expression system</b>	Baculovirus infected Sf9 cells
<b>Accession</b>	<b><u>P35626</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Predicted molecular weight</b>	84 kDa including tags
<b>Amino acids</b>	1 to 554
<b>Tags</b>	GST tag N-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab131701** 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 Western blot
<b>Form</b>	Liquid
<b>Additional notes</b>	<b><u>ab204859</u></b> (GRKtide 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: 0.31% Glutathione, 0.002% PMSF, 0.005% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

## General Info

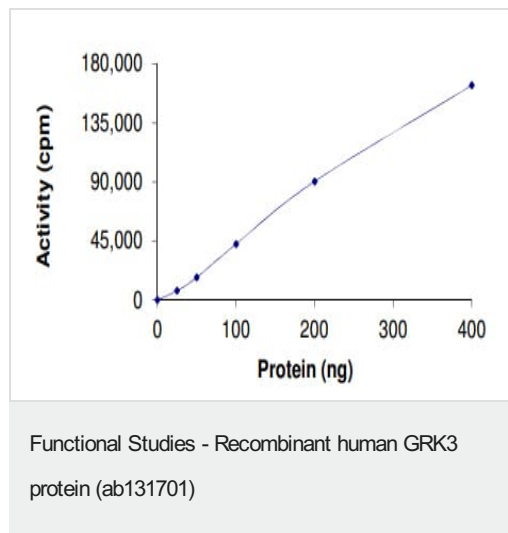
### Function

Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors.

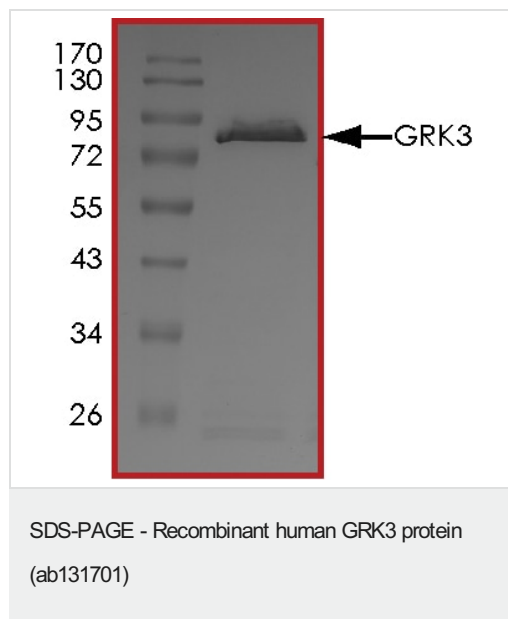
### Sequence similarities

Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily.  
Contains 1 AGC-kinase C-terminal domain.  
Contains 1 PH domain.  
Contains 1 protein kinase domain.  
Contains 1 RGS domain.

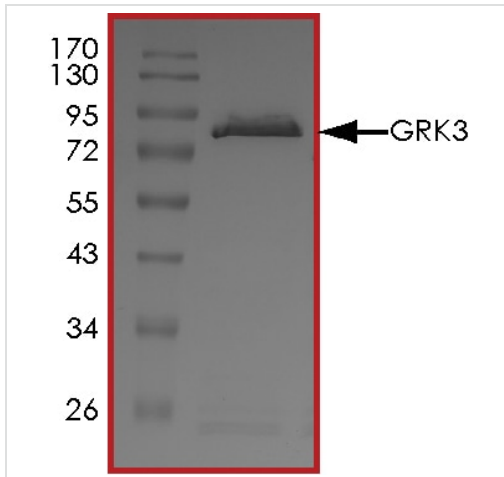
## Images



The specific activity of GRK3 (ab131701) was determined to be 7 nmol/min/mg as per activity assay protocol

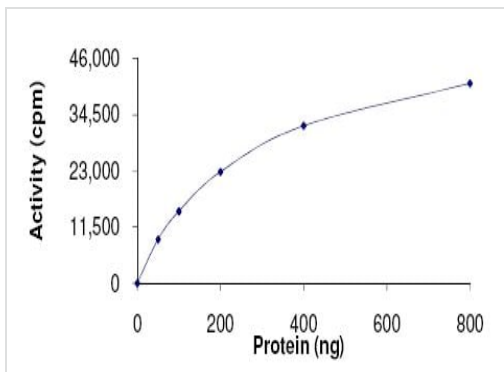


SDS PAGE analysis of ab131701



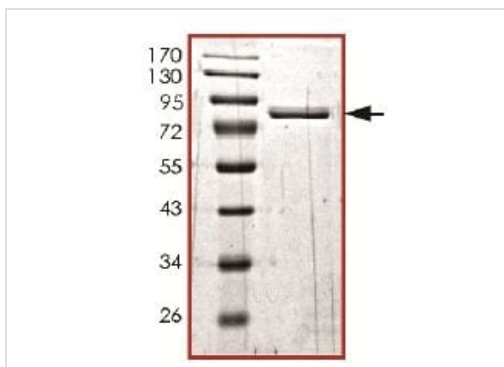
SDS PAGE analysis of ab131701

SDS-PAGE - Recombinant human GRK3 protein  
(ab131701)



The specific activity of ab131701 was determined to be 6 nmol/min/mg.

Functional Studies - Recombinant human GRK3  
protein (ab131701)



The purity of ab131701 was determined to be >95% by densitometry.

SDS-PAGE - Recombinant human GRK3 protein  
(ab131701)

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

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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