

## Product datasheet

# Recombinant Cow GDI1 protein ab90853

### Overview

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<b>Product name</b>	Recombinant Cow GDI1 protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Baculovirus infected Sf9 cells

### Amino Acid Sequence

<b>Species</b>	Cow
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### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab90853** 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>	SDS-PAGE
<b>Purity</b>	> 90 % SDS-PAGE.
<b>Form</b>	Liquid

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 50mM Sodium chloride, 40mM HEPES, 3mM DTE (1, 4-Dithioerythritol), 0.1mM GDP, pH 7.2
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### General Info

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<b>Function</b>	Regulates the GDP/GTP exchange reaction of most Rab proteins by inhibiting the dissociation of GDP from them, and the subsequent binding of GTP to them.
<b>Tissue specificity</b>	Brain; predominant in neural and sensory tissues.

<b>Involvement in disease</b>	Defects in GDI1 are the cause of mental retardation X-linked type 41 (MRX41) [MIM:300104]. Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Non-syndromic mental retardation patients do not manifest other clinical signs. Defects in GDI1 are the cause of mental retardation X-linked type 48 (MRX48) [MIM:300104]; also known as MRX3.
<b>Sequence similarities</b>	Belongs to the Rab GDI family.
<b>Cellular localization</b>	Cytoplasm.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### **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 <http://www.abcam.com/abpromise> or contact our technical team.

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