

Product datasheet

Recombinant Cow GDI1 protein ab90853

Overview

Product name	Recombinant Cow GDI1 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Baculovirus infected Sf9 cells

Amino Acid Sequence

Species	Cow
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Specifications

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.

Applications	SDS-PAGE
Purity	> 90 % SDS-PAGE.
Form	Liquid

Preparation and Storage

Stability and Storage	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

Function	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.
Tissue specificity	Brain; predominant in neural and sensory tissues.

Involvement in disease	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.
Sequence similarities	Belongs to the Rab GDI family.
Cellular localization	Cytoplasm.

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