

# Recombinant Human rho-GDI (D4-GDI)

## Certificate of Analysis and Data Sheet

➤ <b>Source:</b> E.Coli	➤ <b>Catalog No.</b> PRO-296
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### ➤ **Background:**

D4-GDI belongs to the family of rho-GDI or GDP-dissociation inhibitors for the Rho/Rac family of small G proteins; consisting of rhoGDI-1, D4-GDI/rhoGDI-2 and rhoGDI-3. It inhibits the release of GDP from the Rho proteins, essential for GTP-loading and activation of GTPase activity. D4-GDI is located in the cytoplasm and is involved in the regulation of the membrane association and dissociation cycle of Rho/Rac proteins. It is known to be a substrate for caspase 3 during Fas-mediated apoptosis

### ➤ **Description :**

Recombinant rho-GDI shows a band at 54kDa on SDS-PAGE coomassie blue stained gel. Recombinant rho-GDI is purified by proprietary chromatographic techniques.

### ➤ **Physical Appearance:**

Sterile filtered liquid.

### ➤ **Formulation:**

100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.

### ➤ **Stability:**

Store vial at -20C° to -80C°. When stored at the recommended temperature, D4-GDI is stable for 12 months.

**Please avoid freeze-thaw cycles.**

### ➤ **Purity:**

Greater than 90.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Analysis by reducing and non-reducing SDS-PAGE coomassie blue gel.

### ➤ **Dimers and aggregates:**

Less than 1% as determined by coomassie blue SDS-PAGE gel analysis.

### ➤ **Endotoxin:**

Less than 0.1 ng/µg (IEU/µg) of Human D4-GDI.

### ➤ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.