

ARHGDI2

Recombinant Human D4 GDI/RhoGDI-2, GST-tagged

Catalog No.	CRD112A	Quantity:	2 µg
	CRD112B		5 µg
	CRD112C		10 µg

Alternate Names: D4, GDIA2, GDID4, LYGDI, Ly-GDI, RAP1GN1, RhoGDI2, ARHGDI2

Description: D4-GDI belongs to the family of Rho-GDIs 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.

D4-GDI is expressed only in hematopoietic tissues, mainly in B and T cells, unlike RhoGDI which is expressed ubiquitously. D4-GDI plays a role in the regulation of lymphocyte activation, survival, and responsiveness. Expression of D4-GDI is also observed in cells of nonhematopoietic neoplasms, including ovarian and bladder cancer cells, suggestive of D4-GDI's role in progression of human tumors.

Recombinant Human D4 GDI/RhoGDI-2 is comprised of the full length protein with a GST tag.

Gene ID: 397

Source: *E. coli*

Molecular Weight: 54 kDa (D4 GDI predicted MW ~23 kDa + GST tag)

Formulation: Liquid in a sterile filtered solution in 50 mM Tris-HCl, pH 7.5, + 10 mM L-Glutathione (reduced).

Purity: >90.0% by SDS-PAGE

Applications: ELISA, Western Blot, Functional Assays

Storage & Stability: Store product at -80°C. Stable for 1 year. For multiple use, aliquot and freeze at -80°C. **Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

