

Recombinant Human GDI1 293 Cell Lysate

Cat. No. GDI1-5965HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for GDP dissociation inhibitor 1 (GDI1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [GDI1 GDP dissociation inhibitor 1 \[Homo sapiens \]](#)

Official Symbol [GDI1](#)

Synonyms [GDI1](#); [GDP dissociation inhibitor 1](#); [GDIL](#), [MRX41](#), [MRX48](#); [rab GDP dissociation inhibitor alpha](#); [FLJ41411](#); [mental retardation](#); [X linked 41](#); [X linked 48](#); [OPHN2](#); [rab GDP dissociation inhibitor](#); [alpha](#); [RABGDIA](#); [XAP 4](#); [GDI-1](#); [protein XAP-4](#); [rab GDI alpha](#); [oligophrenin-2](#); [mental retardation, X-linked 48](#); [rab GDP-dissociation inhibitor, alpha](#); [guanosine diphosphate dissociation inhibitor 1](#); [1A](#); [GDIL](#); [MRX41](#); [MRX48](#); [XAP-4](#); [RABGD1A](#);

Gene ID [2664](#)

mRNA Refseq [NM_001493](#)

Protein Refseq [NP_001484](#)

MIM [300104](#)

UniProt ID [P31150](#)

Chromosome Location [Xq28](#)

Pathway [Rho GTPase cycle, organism-specific biosystem](#); [Signal Transduction, organism-specific biosystem](#); [Signaling by Rho GTPases, organism-specific biosystem](#); [Signaling mediated by p38-alpha and p38-beta, organism-specific biosystem](#);

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Function

GDP-dissociation inhibitor activity; GTPase activator activity; Rab GDP-dissociation inhibitor activity; protein binding;

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