

Recombinant Human GDI1 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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 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-

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specific biosystem; Signaling by Rho GTPases, organism-specific biosystem;
Signaling mediated by p38-alpha and p38-beta, organism-specific biosystem;

Function

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

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