

Recombinant Human NUDT1 293 Cell Lysate

Cat. No. NUDT1-3655HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for nudix (nucleoside diphosphate linked moiety X)-type motif 1 (NUDT1), transcript variant 2A 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

[NUDT1 nudix \(nucleoside diphosphate linked moiety X\)-type motif 1 \[Homo sapiens \]](#)

Official Symbol

NUDT1

Synonyms

NUDT1; nudix (nucleoside diphosphate linked moiety X)-type motif 1; MTH1; 7,8-dihydro-8-oxoguanine triphosphatase; 7; 8 dihydro 8 oxoguanine triphosphatase; 8 oxo 7; 8 dihydrodeoxyguanosine triphosphatase; 8 dihydroguanosine triphosphatase; 8 oxo dGTPase; mutT human homolog 1; nucleoside diphosphate linked moiety X type motif 1; nudix motif 1; 8-oxo-dGTPase; 2-hydroxy-dATP diphosphatase; 8-oxo-7,8-dihydroguanosine triphosphatase; 8-oxo-7,8-dihydrodeoxyguanosine triphosphatase; nucleoside diphosphate-linked moiety X motif 1; nucleoside diphosphate-linked moiety X-type motif 1;

Gene ID

[4521](#)

mRNA Refseq

[NM_198948](#)

Protein Refseq

[NP_945186](#)

MIM

[600312](#)

UniProt ID

[P36639](#)

**Chromosome
Location**

7p22

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Pathway	oxidized GTP and dGTP detoxification, organism-specific biosystem; oxidized GTP and dGTP detoxification, conserved biosystem;
Function	8-oxo-7,8-dihydrodeoxyguanosine triphosphate pyrophosphatase activity; 8-oxo-7,8-dihydroguanosine triphosphate pyrophosphatase activity; GTPase activity; hydrolase activity; metal ion binding;

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