

## Recombinant Human NUDT1 293 Cell Lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

**Pathway** [oxidized GTP and dGTP detoxification, organism-specific biosystem; oxidized GTP](#)

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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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