

Recombinant Human NUDT2 293 Cell Lysate

Cat. No. NUDT2-3648HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for nudix (nucleoside diphosphate linked moiety X)-type motif 2 (NUDT2), transcript variant 3 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 [NUDT2 nudix \(nucleoside diphosphate linked moiety X\)-type motif 2 \[Homo sapiens \]](#)

Official Symbol [NUDT2](#)

Synonyms [NUDT2](#); [nudix \(nucleoside diphosphate linked moiety X\)-type motif 2](#); [APAH1](#); [bis\(5-nucleosyl\)-tetrakisphosphatase \[asymmetrical\]](#); [Ap4A hydrolase 1](#); [Ap4Aase](#); [bis\(5 nucleosyl\) tetrakisphosphatase \(asymmetrical\)](#); [diadenosine 5, 5 P1; P4 tetrakisphosphate pyrophosphohydrolase](#); [diadenosine tetrakisphosphatase](#); [nudix motif 2](#); [nucleoside diphosphate-linked moiety X motif 2](#); [bis\(5-nucleosyl\)-tetrakisphosphatase \(asymmetrical\)](#); [diadenosine 5,5-P1,P4-tetrakisphosphate pyrophosphohydrolase](#); [diadenosine 5,5-P1,P4-tetrakisphosphate asymmetrical hydrolase](#); [MGC10404](#);

Gene ID [318](#)

mRNA Refseq [NM_147173](#)

Protein Refseq [NP_671702](#)

MIM [602852](#)

UniProt ID [P50583](#)

Chromosome Location [9p13](#)

Pathway [Purine metabolism, organism-specific biosystem](#); [Purine metabolism, conserved biosystem](#); [Pyrimidine metabolism, organism-specific biosystem](#); [Pyrimidine](#)

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metabolism, conserved biosystem;

Function

GTP binding; bis(5-nucleosyl)-tetraphosphatase (asymmetrical) activity; bis(5-nucleosyl)-tetraphosphatase (symmetrical) activity; hydrolase activity; nucleotide binding;

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