Recombinant Human NUDT2 293 Cell Lysate

Cat. No. NUDT2-3647HCL **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 1 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)-tetraphosphatase [asymmetrical]; Ap4A hydrolase 1; Ap4Aase; bis(5 nucleosyl) tetraphosphatase (asymmetrical); diadenosine 5; 5 P1; P4 tetraphosphate pyrophosphohydrolase; diadenosine tetraphosphatase; nudix motif 2; nucleoside diphosphate-linked moiety X motif 2; bis(5-nucleosyl)-tetraphosphatase (asymmetrical); diadenosine 5,5-P1,P4-tetraphosphate pyrophosphohydrolase; diadenosine 5,5-P1,P4-tetraphosphate asymmetrical hydrolase; MGC10404;
Gene ID	318
mRNA Refseq	NM_001161
Protein Refseq	NP_001152
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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