Recombinant Human NUDT12 293 Cell Lysate

Cat. No. NUDT12-3652HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for nudix (nucleoside diphosphate linked moiety X)-type motif 12 (NUDT12) 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	NUDT12 nudix (nucleoside diphosphate linked moiety X)-type motif 12 [Homo sapiens]
Official Symbol	NUDT12
Synonyms	NUDT12; nudix (nucleoside diphosphate linked moiety X)-type motif 12; peroxisomal NADH pyrophosphatase NUDT12; DKFZP761I172; nucleoside diphosphate linked moiety X type motif 12; nudix motif 12; nucleoside diphosphate-linked moiety X motif 12; nucleoside diphosphate linked moiety X-type motif 12; DKFZp761I172;
Gene ID	83594
mRNA Refseq	NM_031438
Protein Refseq	NP_113626
MIM	609232
UniProt ID	Q9BQG2
Chromosome Location	5q15
Pathway	NAD salvage pathway II, organism-specific biosystem; Nicotinate and nicotinamide metabolism, organism-specific biosystem; Nicotinate and nicotinamide metabolism,

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	conserved biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;
Function	NAD+ diphosphatase activity; NADH pyrophosphatase activity; hydrolase activity; metal ion binding;

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