Recombinant Human NUDT4 293 Cell Lysate

Cat. No. NUDT4-3644HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for nudix (nucleoside diphosphate linked moiety X)-type motif 4 (NUDT4), 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.

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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	NUDT4 nudix (nucleoside diphosphate linked moiety X)-type motif 4 [Homo sapiens]
Official Symbol	NUDT4
Synonyms	NUDT4; nudix (nucleoside diphosphate linked moiety X)-type motif 4; diphosphoinositol polyphosphate phosphohydrolase 2; diphosphoinositol polyphosphate phosphohydrolase type 2; DIPP2; DIPP2alpha; DIPP2beta; HDCMB47P; KIAA0487; DIPP-2; diadenosine 5,5-P1,P6-hexaphosphate hydrolase 2; DKFZp686I1281;
Gene ID	11163
mRNA Refseq	NM_019094
Protein Refseq	NP_061967
MIM	609229
UniProt ID	Q9NZJ9
Chromosome Location	12q21
Function	diphosphoinositol-polyphosphate diphosphatase activity; hydrolase activity; inositol diphosphate tetrakisphosphate diphosphatase activity; inositol-1,5-bisdiphosphate-

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	2,3,4,6-tetrakisphosphate 1-diphosphatase activity; inositol-1,5-bisdiphosphate-2,3,4,6-tetrakisphosphate 5-diphosphatase activity; inositol-1-diphosphate-2,3,4,5,6-pentakisphosphate diphosphatase activity; inositol-3,5-bisdiphosphate-2,3,4,6-tetrakisphosphate 5-diphosphatase activity; inositol-3-diphosphate-1,2,4,5,6-pentakisphosphate diphosphatase activity; inositol-5-diphosphate-1,2,3,4,6-pentakisphosphate diphosphatase activity; metal ion binding;

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