

Recombinant Human NUDT4 293 Cell Lysate

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

SPECIFICATION

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.
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 [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-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-](#)

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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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