Recombinant Human NUDT21 293 Cell Lysate

Cat. No. NUDT21-3646HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for nudix (nucleoside diphosphate linked moiety X)-type motif 21 (NUDT21) 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	NUDT21 nudix (nucleoside diphosphate linked moiety X)-type motif 21 [Homo sapiens]
Official Symbol	NUDT21
Synonyms	NUDT21; nudix (nucleoside diphosphate linked moiety X)-type motif 21; cleavage and polyadenylation specific factor 5, 25 kD subunit , cleavage and polyadenylation specific factor 5, 25 kDa , CPSF5; cleavage and polyadenylation specificity factor subunit 5; CFIM25; nudix motif 21; CPSF 25 kDa subunit; pre-mRNA cleavage factor Im (25kD); pre-mRNA cleavage factor Im, 25kD subunit; pre-mRNA cleavage factor Im 25 kDa subunit; nucleoside diphosphate-linked moiety X motif 21; cleavage and polyadenylation specific factor 5, 25 kDa; cleavage and polyadenylation specific factor 5, 25 kD subunit; cleavage and polyadenylation specificity factor 25 kDa subunit; CPSF5; DKFZp686H1588;
Gene ID	11051
mRNA Refseq	NM_007006
Protein Refseq	NP_008937
MIM	604978
UniProt ID	O43809

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Chromosome Location	16q12.2
Pathway	Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Processing of Capped Intronless Pre-mRNA, organism-specific biosystem; Processing of Intronless Pre-mRNAs, organism-specific biosystem; RNA Polymerase II Transcription, organism-specific biosystem; RNA Polymerase II Transcription Termination, organism-specific biosystem;
Function	AU-rich element binding; contributes_to RNA binding; histone deacetylase binding; hydrolase activity; mRNA binding; protein binding; protein homodimerization activity;

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