

## Recombinant Human NUDT21 293 Cell Lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

<b>Gene Name</b>	NUDT21 nudix (nucleoside diphosphate linked moiety X)-type motif 21 [ Homo sapiens ]
<b>Official Symbol</b>	NUDT21
<b>Synonyms</b>	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;
<b>Gene ID</b>	11051
<b>mRNA Refseq</b>	NM_007006
<b>Protein Refseq</b>	NP_008937
<b>MIM</b>	604978
<b>UniProt ID</b>	O43809
<b>Chromosome Location</b>	16q12.2

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**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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