

Recombinant Mouse Nudt7 Protein, Myc/DDK-tagged

Cat. No. Nudt7-4545M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nudix (nucleoside diphosphate linked moiety X)-type motif 7 (Nudt7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Coenzyme A diphosphatase which mediates the cleavage of CoA, CoA esters and oxidized CoA with similar efficiencies, yielding 3',5'-ADP and the corresponding 4'-phosphopantetheine derivative as products. Preferentially hydrolyzes medium-chain acyl-CoAs and bile acid-CoAs. CoA into 3',5'-ADP and 4'-phosphopantetheine. Has no activity toward NDP-sugars, CDP-alcohols, (deoxy)nucleoside 5'-triphosphates, nucleoside 5'-di or monophosphates, diadenosine polyphosphates, NAD, NADH, NADP, NADPH or thymidine-5'-monophospho-p-nitrophenyl ester. May be required to eliminate oxidized CoA from peroxisomes, or regulate CoA and acyl-CoA levels in this organelle in response to metabolic demand. Does not play a role in U8 snoRNA decapping activity. Binds U8 snoRNA.
Molecular Mass	26.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Nudt7 nudix (nucleoside diphosphate linked moiety X)-type motif 7 [Mus musculus (house mouse)]
Official Symbol	Nudt7
Synonyms	NUDT7; nudix (nucleoside diphosphate linked moiety X)-type motif 7; peroxisomal coenzyme A diphosphatase NUDT7; nudix motif 7; coenzyme A diphosphatase; nucleoside diphosphate-linked moiety X motif 7; 1300007B24Rik; 2210404C19Rik
Gene ID	67528
mRNA Refseq	NM_024437
Protein Refseq	NP_077757
UniProt ID	Q99P30

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