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Datasheet for ABIN7560449  
**NUDT7 Protein (AA 1-236) (His tag)**

## Overview

Quantity:	1 mg
Target:	NUDT7
Protein Characteristics:	AA 1-236
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NUDT7 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Nudt7 Protein expressed in mammalian cells.
Sequence:	MSRPCGLPEP VRNNLIDDAK ARLRKSDVGT RYSHLSSNKF SVLVPLLARG GKLYLMFTVR SDKLRKREPGE VCFPGGKRDP VTD DDTATAL REAQEEVGLH PHQVEVSHL VPYVFDNDAL VTPVVGFLDH NFQAQPNAD E VKEVFFVPLD YFLHPQVYYQ KQITQSGRDF IMHCFEYKDP ETGVNYLIQG MTSKLAVLVA LIILEQSPAF KIDFDLHDLI PSCERTFLWR YLSKL <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	NUDT7
Alternative Name:	Nudt7 ( <a href="#">NUDT7 Products</a> )
Background:	<p>Peroxisomal coenzyme A diphosphatase NUDT7 (EC 3.6.1.-) (Nucleoside diphosphate-linked moiety X motif 7) (Nudix motif 7),FUNCTION: Fatty acyl-coenzyme A (CoA) diphosphatase that hydrolyzes fatty acyl-CoA to yield acyl-4'-phosphopantetheine and adenosine 3',5'-bisphosphate (PubMed:11415433, PubMed:18799520, PubMed:29378847). Cleaves CoA, CoA esters and oxidized CoA with similar efficiencies (PubMed:11415433). Preferentially hydrolyzes medium-chain acyl-CoAs and bile acid-CoAs (PubMed:18799520). 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 (PubMed:18799520). May be required to eliminate oxidized CoA from peroxisomes, or regulate CoA and acyl-CoA levels in this organelle in response to metabolic demand (PubMed:18799520). Does not play a role in U8 snoRNA decapping activity (PubMed:21070968). Binds U8 snoRNA (PubMed:21070968). Exhibits decapping activity towards dpCoA-capped RNAs in vitro (PubMed:32432673). {ECO:0000269 PubMed:11415433, ECO:0000269 PubMed:18799520, ECO:0000269 PubMed:21070968, ECO:0000269 PubMed:29378847, ECO:0000269 PubMed:32432673}.</p>

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## Target Details

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Molecular Weight: 26.9 kDa

UniProt: [Q99P30](#)

Pathways: [Brown Fat Cell Differentiation](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months