

Datasheet for ABIN7550036  
**NUDT4 Protein (AA 1-180) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NUDT4
Protein Characteristics:	AA 1-180
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NUDT4 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant NUDT4 Protein expressed in mammalian cells.
Sequence:	MMKFKPNQTR TYDREGFKKR AACLCFRSEQ EDEVLLVSSS RYPDQWIVPG GGMEPEEEPG GAAVREYEE AGVKGKLGRL LGIFENQDRK HRTYVYVLTV TEILEDWEDS VNIGRKREWF KVEDAIKVLQ CHKPVHAEYL EKLKLGCSA NGNSTVPSLP DNNALFVTAA QTSGLPSSVR <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><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and</li></ul>

## Product Details

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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)
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Grade:	custom-made
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## Target Details

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Target:	NUDT4
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Alternative Name:	NUDT4 ( <a href="#">NUDT4 Products</a> )
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Background:	Diphosphoinositol polyphosphate phosphohydrolase 2 (DIPP-2) (EC 3.6.1.52) (Diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase 2) (Nucleoside diphosphate-linked moiety X motif 4) (Nudix motif 4),FUNCTION: Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate), PP-InsP4 and [PP]2-InsP4 (bisdiphosphoinositol tetrakisphosphate), suggesting that it may play a role in signal transduction (PubMed:10777568, PubMed:12370170). Can also catalyze the hydrolysis of diadenosine 5',5'''-P1,P6-hexaphosphate (Ap6A) but not diadenosine 5',5'''-P1,P5-pentaphosphate (Ap5A) and the major reaction products are ADP and p4a from Ap6A (PubMed:12370170). Also able to hydrolyze 5-phosphoribose 1-diphosphate (PubMed:12370170). Does not play a role in U8 snoRNA decapping activity (By similarity). Binds U8 snoRNA (By similarity). {ECO:0000250 UniProtKB:Q8R2U6, ECO:0000269 PubMed:10777568, ECO:0000269 PubMed:12370170}.
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Molecular Weight:	20.3 kDa
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UniProt:	<a href="#">Q9NZJ9</a>
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Pathways:	<a href="#">Inositol Metabolic Process</a>
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## 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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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