

Datasheet for ABIN7562845

NUDT19 Protein (AA 1-357) (His tag)



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Overview

Quantity:	1 mg
Target:	NUDT19
Protein Characteristics:	AA 1-357
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NUDT19 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nudt19 Protein expressed in mammalian cells.
Sequence:	<p>MSSSSSWRRA ATVMLAAGWT HSSPAGFRLL LLQRAQNQRF LPGAHVFPGG VLDAADSSPD WVRLFAPRHT PPRFGLGPEP PRQPPFPGLS HGDADPAALP DDVALRICAI REAFEEAGVL LLRPRDAAPA SQEPSQALSP PAGLAEWRSR VRSDPRCFLQ LCAHLDCTPD IWALHDWGGW LTPYGRTIRR FDTTFFLCCL RDIPRVEPDV AEVVGWYQWLS PSEATECFLS KEIWLAPPQF YEMRRLENFA SLSALYRFCS DRPSEVPEKW LPIILLTSDG TIHLLPGDEL YVKDSDFLEK NMSTDKKTEE IVKEGKVLNR VVIHSPYVYE IYMTLPSENK HVYPRNYIVN KRCTAHL 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.</p>
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:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- 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.

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

Target Details

Target:	NUDT19
Alternative Name:	Nudt19 (NUDT19 Products)
Background:	Acyl-coenzyme A diphosphatase NUDT19 (EC 3.6.1.-) (Androgen-regulated protein RP2) (Nucleoside diphosphate-linked moiety X motif 19) (Nudix motif 19) (Renal CoA diphosphohydrolase) (Testosterone-regulated RP2 protein) (RP2p),FUNCTION: Fatty acyl-coenzyme A (CoA) diphosphatase that hydrolyzes fatty acyl-CoA to yield acyl-4'-phosphopantetheine and adenosine 3',5'-bisphosphate (PubMed:16185196, PubMed:29378847). Mediates the hydrolysis of a wide range of CoA esters, including choloyl-CoA and branched-chain fatty-acyl-CoA esters and at low substrate concentrations medium and long-chain fatty-acyl-CoA esters are the primary substrates (PubMed:16185196, PubMed:29378847). Highest activity seen with medium-chain acyl-CoA esters and higher rates of activity seen with the unsaturated acyl-CoA esters compared with the saturated esters (PubMed:16185196). Exhibits decapping activity towards dpCoA-capped RNAs in vitro (PubMed:32432673). {ECO:0000269 PubMed:16185196, ECO:0000269 PubMed:29378847, ECO:0000269 PubMed:32432673}.
Molecular Weight:	40.3 kDa

Target Details

UniProt: [P11930](#)

Application Details

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

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