

Datasheet for ABIN7557140

NUDT18 Protein (AA 1-323) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NUDT18
Protein Characteristics:	AA 1-323
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NUDT18 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nudt18 Protein expressed in mammalian cells.
Sequence:	<p>MATEGLAGAL ATVLGGKGLL VQSCDSEPAG KPLFPVRLRK NVCYVVLAVF LNEQDEVLM I</p> <p>QEAKRECRGT WYLPAGRM EP GETIVEAMQR EVKEEAGLLC EPVTLLSVEE RGASWIRFVF</p> <p>LARPTGGVLK TSKDADSESL QAGWYPRVSL PTPLRAHDVL HLVELGAKFC QQAMHPLILP</p> <p>QELPCSVVCQ RLVTTFITVQ SVWVLVGTVG TPHLPITACG FTPMEQRGGI KVAILRLLQE</p> <p>CLTLHSLAVE TKGLLGLQHL GRDHVDGVCL NVLVTVAFRN PGIQDEPPKI RGENYFWWKV</p> <p>LEEDLQKLLL YRLQESSVIP LSR 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:	NUDT18
Alternative Name:	Nudt18 (NUDT18 Products)
Background:	<p>8-oxo-dGDP phosphatase NUDT18 (EC 3.6.1.58) (2-hydroxy-dADP phosphatase) (7,8-dihydro-8-oxoguanine phosphatase) (Nucleoside diphosphate-linked moiety X motif 18) (Nudix motif 18),FUNCTION: Mediates the hydrolysis of oxidized nucleoside diphosphate derivatives. Hydrolyzes 8-oxo-7,8-dihydroguanine (8-oxo-Gua)-containing deoxyribo- and ribonucleoside diphosphates to the monophosphates. Hydrolyzes 8-oxo-dGDP and 8-oxo-GDP with the same efficiencies. Hydrolyzes also 8-OH-dADP and 2-OH-dADP. Exhibited no or minimal hydrolysis activity against 8-oxo-dGTP, 8-oxo-GTP, dGTP, GTP, dGDP and GDP. Probably removes oxidized guanine nucleotides from both the DNA and RNA precursor pools.</p> <p>{ECO:0000250 UniProtKB:Q6ZVK8}.</p>
Molecular Weight:	35.7 kDa
UniProt:	Q3U2V3

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