

Datasheet for ABIN7560865
NUDT14 Protein (AA 1-222) (His tag)



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Overview

Quantity:	1 mg
Target:	NUDT14
Protein Characteristics:	AA 1-222
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NUDT14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nudt14 Protein expressed in mammalian cells.
Sequence:	MERIDGVAVG LCAHSPYLRP FTLHYRQDGV QKSWDFMKTH DSVTILMFNS SRRSLVLVKQ FRPAVYAGEV ERHFPGLSLTA VNQDQPQELQ QALPGSAGVM VELCAGIVDQ PGLSLEEAAC KEAWEECGYR LVPTDLRRVA TYMSGVGLTS SRQTMFYAEV TDAQRGPGG GLAEEGELIE VIHLNLDDAQ AFADNPDIK TLGVIYAI SW FFSQVPHLS LQ 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.
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: Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	NUDT14
Alternative Name:	Nudt14 (NUDT14 Products)
Background:	Uridine diphosphate glucose pyrophosphatase NUDT14 (UDPG pyrophosphatase) (UGPPase) (EC 3.6.1.45) (Nucleoside diphosphate-linked moiety X motif 14) (Nudix motif 14),FUNCTION: Hydrolyzes UDP-glucose to glucose 1-phosphate and UMP and ADP-ribose to ribose 5-phosphate and AMP. The physiological substrate is probably UDP-glucose. Poor activity on other substrates such as ADP-glucose, CDP-glucose, GDP-glucose and GDP-mannose (By similarity). {ECO:0000250}.
Molecular Weight:	24.4 kDa
UniProt:	Q9D142

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