

Datasheet for ABIN7550116
NUDT10 Protein (AA 1-164) (His tag)



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3 Images

Overview

Quantity:	1 mg
Target:	NUDT10
Protein Characteristics:	AA 1-164
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NUDT10 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NUDT10 Protein expressed in mammalian cells.
Sequence:	<p>MKCKPNQTRT YDPEGFKKRA ACLCFRSERE DEVLVSSSR YPDRWIVPGG GMEPEEEPPGG</p> <p>AAVREYEEA GVKGKLGRLL GVFEQNQDPK HRTYVYVLT V TELLEDWEDS VSIGRKREWF</p> <p>KVEDAIKVLQ CHKPVHAEYL EKLKLGGSPT NGNSMAPSSP DSDP 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:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • 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

Product Details

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:	NUDT10
Alternative Name:	NUDT10 (NUDT10 Products)
Background:	Diphosphoinositol polyphosphate phosphohydrolase 3-alpha (DIPP-3-alpha) (DIPP3-alpha) (hDIPP3alpha) (EC 3.6.1.52) (Diadenosine 5',5'''-P1,P6-hexaphosphate hydrolase 3-alpha) (Diadenosine hexaphosphate hydrolase (AMP-forming)) (EC 3.6.1.60) (Nucleoside diphosphate-linked moiety X motif 10) (Nudix motif 10) (hAps2),FUNCTION: Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate), suggesting that it may play a role in signal transduction. Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate. {ECO:0000269 PubMed:12105228}.
Molecular Weight:	18.5 kDa
UniProt:	Q8NFP7

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.
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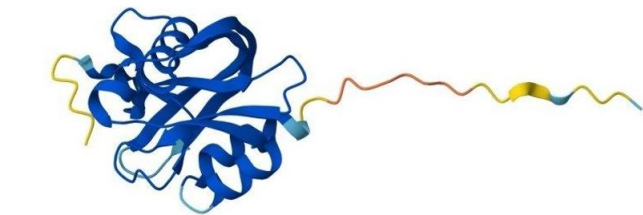
Application Details

Restrictions: For Research Use only

Handling

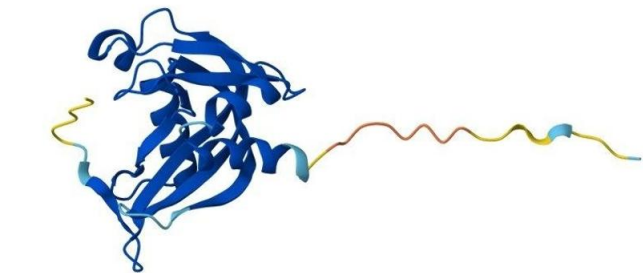
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



Protein Structure

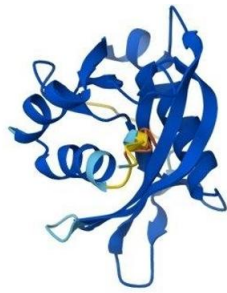
Image 1. AlphaFold protein structure prediction of Human Recombinant NUDT10 Protein, UniprotID Q8NFP7



Protein Structure

Image 2. AlphaFold protein structure prediction of Human Recombinant NUDT10 Protein, UniprotID Q8NFP7





Protein Structure

Image 3. AlphaFold protein structure prediction of Human Recombinant NUDT10 Protein, UniprotID Q8NFP7

