

Datasheet for ABIN7561522
NIT2 Protein (AA 1-276) (His tag)



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Overview

Quantity:	1 mg
Target:	NIT2
Protein Characteristics:	AA 1-276
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NIT2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Nit2 Protein expressed in mammalian cells.
Sequence:	<p>MSTFRLALIQ LQVSSIKSDN LTRACSLVRE AAKQGANIVS LPECFNSPYG TTYFPDYAEK IPGESTQKLS EVAKESSIYL IGGSIPEEDA GKLYNTCSVF GPDGSLLVKH RKIHLFDIDV PGKITFQESK TLSPGDSFST FDTPYCKVGL GICYDMRFAE LAQIYAQRGC QLLVYPGAFN LTTGPAHWEL LQRARAVDNQ VYVATASPAR DDKASYVAWG HSTVVDPWGQ VLTKAGTEET ILYSDIDLKK LAEIRQQIPI LKQKRADLYT VESKKP 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>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> 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, Western Blot
Grade:	custom-made

Target Details

Target:	NIT2
Alternative Name:	Nit2 (NIT2 Products)
Background:	<p>Omega-amidase NIT2 (EC 3.5.1.3) (Nitrilase homolog 2),FUNCTION: Has omega-amidase activity (PubMed:19596042, PubMed:28373563). The role of omega-amidase is to remove potentially toxic intermediates by converting 2-oxoglutaramate and 2-oxosuccinamate to biologically useful 2-oxoglutarate and oxaloacetate, respectively (PubMed:19596042). Can also hydrolyze gamma-monomethyl-alpha-ketoglutarate in vitro (PubMed:19596042).</p> <p>{ECO:0000269 PubMed:19596042, ECO:0000269 PubMed:28373563}.</p>
Molecular Weight:	30.5 kDa
UniProt:	Q9JHW2

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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