Datasheet for ABIN7560476

PNO1 Protein (AA 1-248) (His tag)

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Overview

Quantity:	1 mg
Target:	PNO1
Protein Characteristics:	AA 1-248
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PNO1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pno1 Protein expressed in mammalien cells.
Sequence:	METQSTGTED GFTPVTHRGG RRAKKRQAEQ SSAAGQDGEA GRMDTEEARP AKRPVFPPLS GDQLLTGKEE TRKIPVPGNR YTPLKENWMK IFTPIVEHLG LQIRFNLKSR NVEIRTCKDT KDVSALTKAA DFVKAFVLGF QVEDALALIR LDDLFLESFE ITDVKPLKGD HLSRAIGRIA GKGGKTKFTI ENVTRTRIVL ADVHVHILGS FQNIKMARTA ICNLILGNPP SKVYGNIRAV ASRSADRF **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	PNO1
Alternative Name:	Pno1 (PNO1 Products)
Background:	RNA-binding protein PNO1,FUNCTION: Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome. Positively regulates dimethylation of two adjacent adenosines in the loop of a conserved hairpin near the 3'-end of 18S rRNA. {ECO:0000250|UniProtKB:Q9NRX1}.
Molecular Weight:	27.5 kDa
UniProt:	Q9CPS7

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.

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

