

Datasheet for ABIN7557554  
**NOTO Protein (AA 1-240) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NOTO
Protein Characteristics:	AA 1-240
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOTO protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Noto Protein expressed in mammalien cells.
Sequence:	<p>MSSPAPSGTQ VQPGSLRPCP GAVSPVPRR LARGRLESSF SVEAILARPK TRELAATSLP LSTCTSLNLL GAVSQYGVLP WVCSTGSWLP AYLSVGVYPL CSMSCVPGLN VTHHQGLRL TGSELPYCLG PLKWAPTVDL RDHGTERHTK RVRTTFNLQQ LQELEKVFQK QHNLVGKERA QLAARLHLTE NQVRIWFQNR RVKYQKQKQL KLPSSVMEE PSSSSDGNIQ SEDAELGIGS</p> <p><b>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.</b></p> <p><b>In case you have a special request, please contact us.</b></p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalien cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and</li></ul>

## Product Details

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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.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target: NOTO

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Alternative Name: Noto ([NOTO Products](#))

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Background: Homeobox protein notochord,FUNCTION: Transcription factor that controls node morphogenesis (PubMed:15231714, PubMed:17884984, PubMed:18061569, PubMed:22357932). Acts downstream of both FOXA2 and Brachyury (T) during notochord development (PubMed:15231714). Is essential for cilia formation in the posterior notochord (PNC) and for left-right patterning, acts upstream of FOXJ1 and RFX3 in this process and is required for the expression of various components important for axonemal assembly and function (PubMed:17884984). Plays a role in regulating axial versus paraxial cell fate (PubMed:18061569). Activates the transcription of ciliary proteins C11orf97 homolog, FAM183B and SPACA9 in the embryonic ventral node (PubMed:27914912). {ECO:0000269|PubMed:15231714, ECO:0000269|PubMed:17884984, ECO:0000269|PubMed:18061569, ECO:0000269|PubMed:22357932, ECO:0000269|PubMed:27914912}.

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Molecular Weight: 26.3 kDa

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UniProt: [Q5TIS6](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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