

Datasheet for ABIN7549721

## Nanos Homolog 1 Protein (NANOS1) (AA 1-292) (His tag)



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### Overview

Quantity:	1 mg
Target:	Nanos Homolog 1 (NANOS1)
Protein Characteristics:	AA 1-292
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Nanos Homolog 1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat NANOS1 Protein expressed in mammalian cells.
Sequence:	<p>MEAFPWAPRS PRRGRAPPPM ALVPSARYVS APGPAHPQPF SSWNDYLGLA TLITKAVDGE</p> <p>PRFGCARGGN GGGGSPSSSS SSSCCSPHTG AGPGALGPAL GPPDYDEDDD DDSDEPGSRG</p> <p>RYLGSALRLR ALELCAGPAE AGLLEERFAE LSPFAGRAAA VLLGCAPAAA AAATTTSEAT</p> <p>PREERAPAWA AEPRLHAASG AAAARLLKPE LQVCVFCRNN KEAMALYTH ILKGPDGRVL</p> <p>CPVLRRTTCP LCGASGDNAH TIKYCPLSKV PPPPARPPPR SARDGPPGKK LR <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. 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> </ul>

## Product Details

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- 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
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Grade:	custom-made
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## Target Details

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Target:	Nanos Homolog 1 (NANOS1)
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Alternative Name:	NANOS1 ( <a href="#">NANOS1 Products</a> )
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Background:	Nanos homolog 1 (NOS-1) (EC_Rep1a),FUNCTION: May act as a translational repressor which regulates translation of specific mRNAs by forming a complex with PUM2 that associates with the 3'-UTR of mRNA targets. Capable of interfering with the proadhesive and anti-invasive functions of E-cadherin. Up-regulates the production of MMP14 to promote tumor cell invasion. {ECO:0000269 PubMed:17047063, ECO:0000269 PubMed:18223680}.
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Molecular Weight:	30.2 kDa
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UniProt:	<a href="#">Q8WY41</a>
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Pathways:	<a href="#">Negative Regulation of Hormone Secretion, Myometrial Relaxation and Contraction</a>
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## 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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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