

Datasheet for ABIN7549722

## NANOS3 Protein (AA 1-173) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	NANOS3
Protein Characteristics:	AA 1-173
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NANOS3 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant NANOS3 Protein expressed in mammalian cells.
Sequence:	<p>MGTFDLWTDY LGLAHLVRAL SGKEGPETRL SPQPEPEPML EPDQKRSLES SPAPERLCSF</p> <p>CKHNGESRAI YQSHVLKDEA GRVLCPILRD YVCPQCGATR ERAHTRRFCP LTGQGYTSVY</p> <p>SHTTRNSAGK KLVRPDKAKT QDTGHRGGG GGAGFRGAGK SEPSPSCSPS MST <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>
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"> <li>• Made to order protein - from design to production - by highly experienced protein experts.</li> <li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li> <li>• The optimized expression system ensures reliability for intracellular, secreted and</li> </ul>

## 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:	NANOS3
Alternative Name:	NANOS3 ( <a href="#">NANOS3 Products</a> )
Background:	<p>Nanos homolog 3 (NOS-3),FUNCTION: Plays a role in the maintenance of the undifferentiated state of germ cells regulating the spermatogonia cell cycle and inducing a prolonged transit in G1 phase. Affects cell proliferation probably by repressing translation of specific mRNAs.</p> <p>Maintains the germ cell lineage by suppressing both Bax-dependent and -independent apoptotic pathways. Essential in the early stage embryo to protect the migrating primordial germ cells (PGCs) from apoptosis. {ECO:0000269 PubMed:21421998}.</p>
Molecular Weight:	18.8 kDa
UniProt:	<a href="#">P60323</a>
Pathways:	<a href="#">ACE Inhibitor Pathway</a> , <a href="#">Regulation of Systemic Arterial Blood Pressure by Hormones</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Thromboxane A2 Receptor Signaling</a> , <a href="#">VEGFR1 Specific Signals</a> , <a href="#">VEGF Signaling</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	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