

Datasheet for ABIN7549624

## NANOS2 Protein (AA 1-138) (His tag)



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### Overview

Quantity:	1 mg
Target:	NANOS2
Protein Characteristics:	AA 1-138
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NANOS2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant NANOS2 Protein expressed in mammalian cells.
Sequence:	<p> MQLPPFDMWK DYFNLSQVWV ALIASRGQRL ETQEIEEPSP GPPLGQDQGL GAPGANGGLG  TLCNFCKHNG ESRHVSSSHQ LKTPDGVVVC PILRHYVCPV CGATGDQAHT LKYCPLNGGQ  QSLYRRSGRN SAGRRVKR <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 transmembrane proteins.</li> </ul>

## Product Details

- 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:	NANOS2
Alternative Name:	NANOS2 ( <a href="#">NANOS2 Products</a> )
Background:	<p>Nanos homolog 2 (NOS-2),FUNCTION: Plays a key role in the sexual differentiation of germ cells by promoting the male fate but suppressing the female fate. Represses the female fate pathways by suppressing meiosis, which in turn results in the promotion of the male fate. Maintains the suppression of meiosis by preventing STRA8 expression, which is required for premeiotic DNA replication, after CYP26B1 is decreased. Regulates the localization of the CCR4-NOT deadenylation complex to P-bodies and plays a role in recruiting the complex to trigger the degradation of mRNAs involved in meiosis. Required for the maintenance of the spermatogonial stem cell population. Not essential for the assembly of P-bodies but is required for the maintenance of their normal state (By similarity). {ECO:0000250}.</p>
Molecular Weight:	15.1 kDa
UniProt:	<a href="#">P60321</a>
Pathways:	<a href="#">Retinoic Acid Receptor Signaling Pathway</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Stem Cell Maintenance</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