

Datasheet for ABIN5709987

NANOS2 Protein (AA 1-138, full length) (His-SUMO Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	NANOS2
Protein Characteristics:	AA 1-138, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NANOS2 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MQLPPFDMWK DYFNLSQVWV ALIASRGQRL ETQEIEEPSP GPPLGQDQGL GAPGANGGLG TLCNFCKHNG ESRHVYSSHQ LKTPDGVVVC PILRHYVCPV CGATGDQAHT LKYCPLNGGQ QSLYRRSGRN SAGRRVKR
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	NANOS2
Alternative Name:	NANO2 (NANOS2 Products)
Background:	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

Target Details

turn results in the promotion of the male fate. Maintains the suppression of meiosis by preventing STRA8 expression, which is required for preiotic 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 st cell population. Not essential for the assbly of P-bodies but is required for the maintenance of their normal state .

Molecular Weight: 31.1 kDa

UniProt: [P60321](#)

Pathways: [Retinoic Acid Receptor Signaling Pathway](#), [Cellular Response to Molecule of Bacterial Origin](#), [Stem Cell Maintenance](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

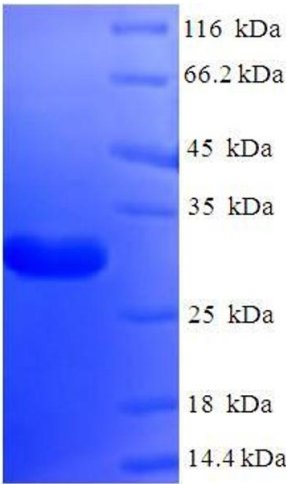
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.