Datasheet for ABIN2726789

# Nanog Protein (TAT tag)

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## Overview

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| Quantity: | 20 µg |
| Target: | Nanog (NANOG) |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Nanog protein is labelled with TAT tag. |
| Application: | Antibody Production (AbP), Standard (STD) |

## Product Details

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| Characteristics: | • Recombinant human NANOG protein expressed in E. coli.<br>• Produced with end-sequenced ORF clone |
| Purity: | > 95 % as determined by SDS-PAGE and Coomassie blue staining |
| Endotoxin Level: | Endotoxin level is <0.1 ng/µg of protein (<1EU/µg). |

## Target Details

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|---|---|
| Target: | Nanog (NANOG) |
| Alternative Name: | Nanog (NANOG Products) |
| Background: | The protein encoded by this gene is a DNA binding homeobox transcription factor involved in embryonic stem (ES) cell proliferation, renewal, and pluripotency. The encoded protein can block ES cell differentiation and can also autorepress its own expression in differentiating cells. Two transcript variants encoding different isoforms have been found for this gene. |

## Target Details

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| Molecular Weight: | 36.2 kDa |
| NCBI Accession: | NP_079141 |
| Pathways: | Stem Cell Maintenance |

## Application Details

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| Application Notes: | Recombinant human proteins can be used for:<br>Native antigens for optimized antibody production<br>Positive controls in ELISA and other antibody assays |
| Restrictions: | For Research Use only |

## Handling

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| Buffer: | Lyophilized from a 0.2 μM filtered solution of 20 mM phosphate buffer,100 mM NaCl, pH 7.2 |
| Handling Advice: | Resuspend the protein in the desired concentration in proper buffer |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended. |