

**Recombinant mouse Nanog, transfected HEK293 cell culture supernatant****Source**

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>          | Mouse                                                                                                                                                                                   |
| <b>Accession Number</b> | Q80Z64                                                                                                                                                                                  |
| <b>Gene Symbol</b>      | Nanog                                                                                                                                                                                   |
| <b>Expressed Region</b> | Ser2-Ile305                                                                                                                                                                             |
| <b>Synonyms</b>         | mouse Nanog, transfected HEK293 cell culture supernatant, ES cell-associated protein 4, Early embryo specific expression NK-type homeobox protein, Homeobox transcription factor Nanog. |

**Preparation**

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| <b>Expression System</b> | Human Embryonic Kidney 293 Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tag</b>               | N-terminal histidine tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purification</b>      | Unpurified cell culture supernatant. HEK293 cells grown in serum-free medium were transfected with expression vector harboring target gene. The cell culture was harvested with centrifugation to remove cells. The cell culture supernatant containing mammalian cell protease inhibitor cocktail was aliquoted and stored at -80 °C immediately. The gene overexpression in culture supernatant was confirmed by Western blotting using anti-His tag antibody and/or target-specific antibodies and the culture supernatant derived from HEK293 cells transfected with the empty expression vector was used as a negative control. |
| <b>Molecular Weight</b>  | Recombinant protein has a calculated molecular mass of 34. The actual molecular weight may increase differently due to the potential post-modifications (PTMs).                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**Protein Specifications**

|                                 |                                                                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Format</b>                   | Pink liquid                                                                                                                                                                                                                                                     |
| <b>Formulation</b>              | Culture supernatant of transfected HEK293 cells                                                                                                                                                                                                                 |
| <b>Preservative</b>             | None                                                                                                                                                                                                                                                            |
| <b>Recommended Applications</b> | Western blotting control, antibody validation (i.e., hybridoma screening, antibody pair test), ELISA, EIA, dot blotting, immunoprecipitation (IP), protein array, protein functional assay, protein-protein interaction, post-translational modifications, etc. |

**Shipping**

Ice packs

**Storage/Stability**

Upon arrival, the protein may be stored for 2 weeks at 4 °C. For long term storage, it is recommended to store at -20 °C or -80 °C in appropriate aliquots. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.