

ANTIGENIX AMERICA, INC.

PRODUCT INFORMATION SUMMARY

Human Lin28-TAT

Purified Factor	Product Number	HC411550A	5.0 ug
		HC411550B	25.0 ug

DESCRIPTION:

Human Lin28 is a RNA binding protein and transcription factor expressed in embryonic stem cells and also in placenta, testis. Lin28 can block micro-RNA (let-7) processing- a step involved in some cancer cell differentiation. Lin28 has been introduced into cells by DNA transfection, and along with other regulatory proteins (ie., nanog, Sox2, etc.) can reprogram human fibroblasts into a pluripotent state.

SOURCE: E. Coli
Purity > 90% by HPLC analysis
Endotoxin < 0.1 ng per ug
Sterile filtered and lyophilized.
Additive-free.

BIOLOGICAL ACTIVITY: Measured ability (in 293 cells transfected with fluorescent protein gene) to induce fluorescence in reporter cells. Activity observed with 72 hour incubation @ approx. 25.0 ug/mL concentration.

HANDLING AND STORAGE:

Purified Lin28 factor is provided lyophilized with no additives. Store lyophilized, at -20° C. **Quick-spin** and reconstitute with 50.0 uL - 100.0 uL distilled (or sterile) water, further dilute in PBS or similar buffers. Store small aliquots at -20° C for long-term storage, **with addition** of 0.1% BSA, at high concentration.

Before opening vial, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

RESEARCH USE ONLY -NOT for DRUG USE

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