Reh Cell line overexpressing NSD2 E1099K

The NSD2E1099K Over-Expressing Reh Stable Cell Line is a genetically modified human B-cell precursor leukemia (Reh) cell line engineered to stably overexpress the NSD2E1099K mutation. This mutation in the NSD2 (WHSC1/MMSET) gene is linked to chromatin remodeling and cancer progression, making this cell line a valuable tool for leukemia research.

This genetically modified cell line expresses the mutant form of the NSD2 gene. The researcher overexpressed the gene NSD2 with a point mutation that changes amino acid E to K at position 1099. This mutation in the NSD2 (WHSC1/MMSET) gene is commonly found in pediatric B-ALL patients at relapse and has been show to lead to drug resistance in some cell line.

References

1. Pierro et al. , https://pubmed.ncbi.nlm.nih.gov/32332049/

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Authors

William Carroll

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