

ODN MT 01 sodium

Cat. No.:	HY-150214A
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

ODN MT 01 (sodium)

BIOLOGICAL ACTIVITY

Description

ODN MT01 sodium was designed based on human mitochondrial DNA sequences, which is an inhibitory ODN that promotes osteocyte differentiation. ODN MT01 sodium could promote osteoblast maturation and activation in rats, reduce rat alveolar bone absorption caused by periodontitis, regulate the expression levels of osteogenesis-related factors.

REFERENCES

- [1]. Zhang Q, Qu X, Liang C, et al. Effect of oligonucleotide MT01 delivered by N-isopropylacrylamide modified polyethyleneimine for bone regeneration. *Front Bioeng Biotechnol.* 2023;11:1204571.
- [2]. Shen Y, Feng Z, Lin C, et al. An oligodeoxynucleotide that induces differentiation of bone marrow mesenchymal stem cells to osteoblasts in vitro and reduces alveolar bone loss in rats with periodontitis. *Int J Mol Sci.* 2012;13(3):2877-2892.
- [3]. Zheng Y., Lin C., Hou X., Ma N., Yu W., Xu X., et al. (2017). Enhancing the osteogenic capacity of MG63 cells through N-isopropylacrylamide-modified polyethylenimine-mediated oligodeoxynucleotide MT01 delivery. *RSC Adv.* 7, 27121–27127. 10.1039/c6ra27182k

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA