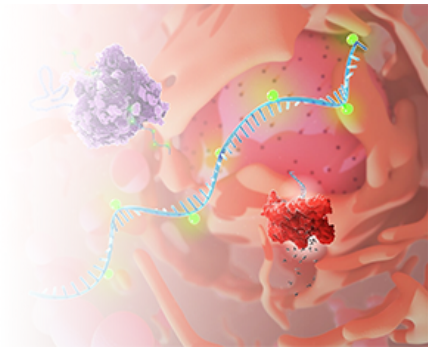


IVTScrip™ mRNA-Human ALDH3A1, (Cap 0, Pseudo-UTP, 120 nt-poly(A))

Cat. No.: GTTS-WK14499MR

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product overview

This product GTTS-WK14499MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 0 & Pseudo-UTP. It ecodes th e ALDH3A1 protein. This product can be used in Ciliated cell-related researches.

Specifications

Modified bases	Pseudo-UTP
5' Cap	Cap 0
Species	Human
RefSeq	NM_000691.5
Applications	Gene therapy research
Format	Powder
Quantity	100 µg
Purification	Chromatography

SPECIFICATIONS

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Purification	Chromatography

GENE INFORMATION

Alternative Names	ALDH3; ALDHIII
Description	Aldehyde dehydrogenases oxidize various aldehydes to the corresponding acids. They are involved in the detoxification of alcohol-derived acetaldehyde and in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. The enzyme encoded by this gene forms a cytoplasmic homodimer that preferentially oxidizes aromatic and medium-chain (6 carbons or more) saturated and unsaturated aldehyde substrates. It is thought to promote resistance to UV and 4-hydroxy-2-nonenal-induced oxidative damage in the cornea. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Sep 2008]

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