



IVTScrip™ mRNA-Human AKR1C3, (Cap 1, 5-Methyl-CTP, 120 nt-poly(A))

Cat. No.: GTTS-WK19277MR

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

PRODUCT INFORMATION

Product overview

This product GTTS-WK19277MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 1 & 5-Methyl-CTP. It encodes the AKR1C3 protein. This product can be used in Acinar cell-related researches.

Specifications

Modified bases	5-Methyl-CTP
5' Cap	Cap 1
Species	Human
RefSeq	NM_001253908.2
Applications	Gene therapy research
Format	Powder
Quantity	100 µg
Purification	Chromatography

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GENE INFORMATION

Alternative Names	DD3; DDX; PGFS; HAKRB; HAKRe; HA1753; HSD17B5; hluPGFS
Description	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reduction of prostaglandin (PG) D₂, PGH₂ and phenanthrenequinone (PQ), and the oxidation of 9α,11β-PGF₂ to PGD₂. It may play an important role in the pathogenesis of allergic diseases such as asthma, and may also have a role in controlling cell growth and/or differentiation. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]