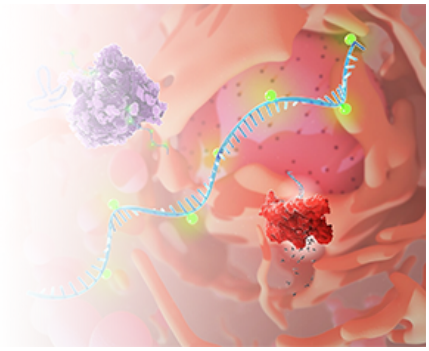


IVTScrip™ mRNA-Human ABO, (Cap 1, Pseudo-UTP, 30 nt-poly(A))

Cat. No.: GTTS-WK12681MR

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

PRODUCT INFORMATION

Product overview

This product GTTS-WK12681MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 0 & Pseudo-UTP. It ecodes th e ABO protein. This product can be used in Lake et al.Science.Ex6-related researches.

Specifications

Modified bases	Pseudo-UTP
5' Cap	Cap 1
Species	Human
RefSeq	NM_020469.3
Applications	Gene therapy research
Format	Powder
Quantity	100 μg
Purification	Chromatography

SPECIFICATIONS

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GENE INFORMATION

Alternative Names	GTB; NAGAT; A3GALNT; A3GALT1
Description	This gene encodes proteins related to the first discovered blood group system, ABO. Variation in th e ABO gene (chromosome 9q34.2) is the basis of the ABO blood group, thus the presence of an al lele determines the blood group in an individual. The 'O' blood group is caused by a deletion of gu anine-258 near the N-terminus of the protein which results in a frameshift and translation of an alm ost entirely different protein. Individuals with the A, B, and AB alleles express glycosyltransferase a ctivities that convert the H antigen into the A or B antigen. Other minor alleles have been found for this gene. This locus has been identified as a susceptibility locus for severe coronavirus disease 2 019 (COVID-19) by genome-wide association study. [provided by RefSeq, Aug 2020]

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