



IVTScrip™ mRNA-Human ABCC2, (Cap 0, 5-Methoxy-UTP, 120 nt-poly(A))

Cat. No.: GTTS-WK7846MR

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

PRODUCT INFORMATION

Product overview

This product GTTS-WK7846MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 0 & 5-Methoxy-UTP. It encodes the ABCC2 protein. This product can be used in Hepatocyte-related researches.

Specifications

Modified bases	5-Methoxy-UTP
5' Cap	Cap 0
Species	Human
RefSeq	NM_000392.5
Applications	Gene therapy research
Format	Powder
Quantity	100 µg
Purification	Chromatography

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GENE INFORMATION

Alternative Names	DJS; MRP2; cMRP; ABC30; CMOAT
Description	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein is expressed in the canalicular (apical) part of the hepatocyte and functions in biliary transport. Substrates include anticancer drugs such as vinblastine; therefore, this protein appears to contribute to drug resistance in mammalian cells. Several different mutations in this gene have been observed in patients with Dubin-Johnson syndrome (DJS), an autosomal recessive disorder characterized by conjugated hyperbilirubinemia. [provided by RefSeq, Jul 2008]