



IVTScrip™ mRNA-Human ABCG5, (Cap 1, 2-Thio-UTP, 120 nt-poly(A))

Cat. No.: GTTS-WK11758MR

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

PRODUCT INFORMATION

Product overview

This product GTTS-WK11758MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 0 & 2-Thio-UTP. It encodes the ABCG5 protein. This product can be used in Cancer stem cell-related researches.

Specifications

| | |
|-----------------------|-----------------------|
| Modified bases | 2-Thio-UTP |
| 5' Cap | Cap 1 |
| Species | Human |
| RefSeq | NM_022436.3 |
| Applications | Gene therapy research |
| Format | Powder |
| Quantity | 100 µg |
| Purification | Chromatography |

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GENE INFORMATION

| | |
|--------------------------|---|
| Alternative Names | STSL; STSL2 |
| Description | <p>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 White subfamily. The protein encoded by this gene functions as a half-transporter to limit intestinal absorption and promote biliary excretion of sterols. It is expressed in a tissue-specific manner in the liver, colon, and intestine. This gene is tandemly arrayed on chromosome 2, in a head-to-head orientation with family member ABCG8. Mutations in this gene may contribute to sterol accumulation and atherosclerosis, and have been observed in patients with sitosterolemia. [provided by RefSeq, Jul 2008]</p> |