



## IVTScrip™ mRNA-Human 3A7, (Cap 1, 5-Methyl-CTP, 30 nt-poly(A))

Cat. No.: GTTS-WK13804MR

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

### PRODUCT INFORMATION

#### Product overview

This product GTTS-WK13804MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 0 & 5-Methyl-CTP. It encodes the 3A7 protein. This product can be used in Glial cell-related researches.

#### Specifications

|                |                       |
|----------------|-----------------------|
| Modified bases | 5-Methyl-CTP          |
| 5' Cap         | Cap 1                 |
| Species        | Human                 |
| RefSeq         | NM_000765.5           |
| Applications   | Gene therapy research |
| Format         | Powder                |
| Quantity       | 100 µg                |
| Purification   | Chromatography        |

### SPECIFICATIONS

|                       |                       |
|-----------------------|-----------------------|
| <b>Modified bases</b> | 5-Methyl-CTP          |
| <b>5' Cap</b>         | Cap 1                 |
| <b>Species</b>        | Human                 |
| <b>RefSeq</b>         | NM_000765.5           |
| <b>Applications</b>   | Gene therapy research |
| <b>Format</b>         | Powder                |
| <b>Quantity</b>       | 100 µg                |
| <b>Purification</b>   | Chromatography        |

## GENE INFORMATION

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternative Names</b> | CP37; CYP11A7; P450HLP2; P450-HFLA; P-450111A7; P-450(HFL33)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>       | This gene encodes a member of the cytochrome P450 superfamily of enzymes, which participate in drug metabolism and the synthesis of cholesterol, steroids and other lipids. This enzyme hydroxylates testosterone and dehydroepiandrosterone 3-sulphate, which is involved in the formation of estradiol during pregnancy. This gene is part of a cluster of related genes on chromosome 7q21.1. Naturally-occurring readthrough transcription occurs between this gene and the downstream CYP3A51 P pseudogene and is represented by GenelD:100861540. |