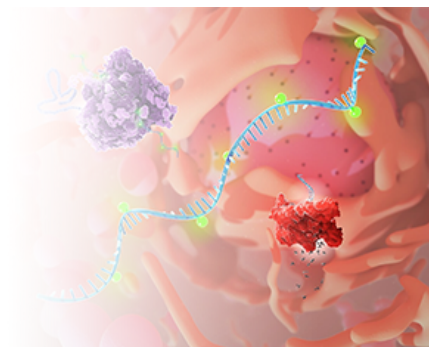




## IVTScrip™ mRNA-Human A2M, (Cap 1, 5-Methyl-CTP, 120 nt-poly(A))

Cat. No.: GTTS-WK12008MR

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

### PRODUCT INFORMATION

#### Product overview

This product GTTS-WK12008MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 0 & 5-Methyl-CTP. It encodes the A2M protein. This product can be used in Microglial cell-related researches.

#### Specifications

|                |                       |
|----------------|-----------------------|
| Modified bases | 5-Methyl-CTP          |
| 5' Cap         | Cap 1                 |
| Species        | Human                 |
| RefSeq         | NM_000014.6           |
| Applications   | Gene therapy research |
| Format         | Powder                |
| Quantity       | 100 µg                |
| Purification   | Chromatography        |

### SPECIFICATIONS

|                       |                       |
|-----------------------|-----------------------|
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| <b>5' Cap</b>         | Cap 1                 |
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## GENE INFORMATION

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternative Names</b> | A2MD; CPAMD5; FWP007; S863-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>       | The protein encoded by this gene is a protease inhibitor and cytokine transporter. It uses a bait-and-trap mechanism to inhibit a broad spectrum of proteases, including trypsin, thrombin and collagenase. It can also inhibit inflammatory cytokines, and it thus disrupts inflammatory cascades. Mutations in this gene are a cause of alpha-2-macroglobulin deficiency. This gene is implicated in Alzheimer's disease (AD) due to its ability to mediate the clearance and degradation of A-beta, the major component of beta-amyloid deposits. A related pseudogene, which is also located on the p arm of chromosome 12, has been identified. [provided by RefSeq, Nov 2016] |