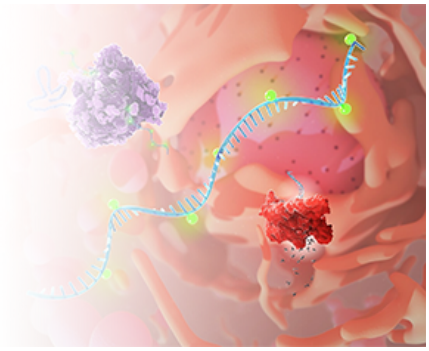

IVTScrip™ mRNA-Human ATP2A1, (Cap 0, 5-Methyl-CTP, 30 nt-poly(A))

Cat. No.: GTTS-WK24889MR

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

PRODUCT INFORMATION

Product overview

This product GTTS-WK24889MR is a type of mRNA having 30 nt poly(A) tail and modified with Cap 0 & 5-Methyl-CTP. It ecodes th e ATP2A1 protein. This product can be used in Enterocyte progenitor cell-related researches.

Specifications

Modified bases	5-Methyl-CTP
5' Cap	Cap 0
Species	Human
RefSeq	NM_001286075.2
Applications	Gene therapy research
Format	Powder
Quantity	100 μg
Purification	Chromatography

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GENE INFORMATION

Alternative Names	ATP2A; SERCA1
Description	This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in t he sarcoplasmic or endoplasmic reticula of muscle cells. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lume n, and is involved in muscular excitation and contraction. Mutations in this gene cause some autos omal recessive forms of Brody disease, characterized by increasing impairment of muscular relaxa tion during exercise. Alternative splicing results in three transcript variants encoding different isofor ms. [provided by RefSeq, Oct 2013]