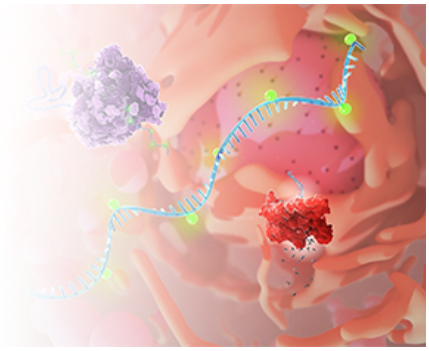


IVTScrip™ mRNA-Human ATP2B4, (Cap 1, N1-Methylpseudo-UTP, 120 nt-poly(A))

Cat. No.: GTTS-WK25792MR

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

PRODUCT INFORMATION

Product overview

This product GTTS-WK25792MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 1 & N1-Methylpseudo-UTP. It ecodes the ATP2B4 protein. This product can be used in Sertoli cell-related researches.

Specifications

Modified bases	N1-Methylpseudo-UTP
5' Cap	Cap 1
Species	Human
RefSeq	NM_001001396.3
Applications	Gene therapy research
Format	Powder
Quantity	100 μg
Purification	Chromatography

SPECIFICATIONS

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GENE INFORMATION

Alternative Names	MXRA1; PMCA4; ATP2B2; PMCA4b; PMCA4x
Description	The protein encoded by this gene belongs to the family of P-type primary ion transport ATPases ch aracterized by the formation of an aspartyl phosphate intermediate during the reaction cycle. Thes e enzymes remove bivalent calcium ions from eukaryotic cells against very large concentration gra dients and play a critical role in intracellular calcium homeostasis. The mammalian plasma membr ane calcium ATPase isoforms are encoded by at least four separate genes and the diversity of the se enzymes is further increased by alternative splicing of transcripts. The expression of different is oforms and splice variants is regulated in a developmental, tissue- and cell type-specific manner, s uggesting that these pumps are functionally adapted to the physiological needs of particular cells a nd tissues. This gene encodes the plasma membrane calcium ATPase isoform 4. Alternatively spli ced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2 008]

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