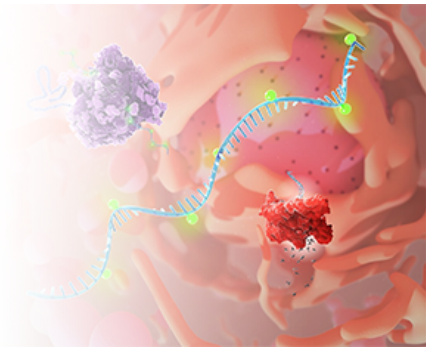

IVTScrip™ mRNA-Human ANK2, (Cap 1, 2-Thio-UTP, 120 nt-poly(A))

Cat. No.: GTTS-WK19085MR

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

PRODUCT INFORMATION

Product overview

This product GTTS-WK19085MR is a type of mRNA having 120 nt poly(A) tail and modified with Cap 1 & 2-Thio-UTP. It ecodes the ANK2 protein. This product can be used in Ionocyte cell-related researches.

Specifications

Modified bases	2-Thio-UTP
5' Cap	Cap 1
Species	Human
RefSeq	NM_001127493.3
Applications	Gene therapy research
Format	Powder
Quantity	100 μg
Purification	Chromatography

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GENE INFORMATION

Alternative Names	LQT4; ANK-2; FAP87; CFAP87; brank-2
Description	This gene encodes a member of the ankyrin family of proteins that link the integral membrane prot eins to the underlying spectrin-actin cytoskeleton. Ankyrins play key roles in activities such as cell motility, activation, proliferation, contact and the maintenance of specialized membrane domains. Most ankyrins are typically composed of three structural domains: an amino-terminal domain conta ining multiple ankyrin repeats; a central region with a highly conserved spectrin binding domain; an d a carboxy-terminal regulatory domain which is the least conserved and subject to variation. The protein encoded by this gene is required for targeting and stability of Na/Ca exchanger 1 in cardio myocytes. Mutations in this gene cause long QT syndrome 4 and cardiac arrhythmia syndrome. M ultiple transcript variants encoding different isoforms have been described. [provided by RefSeq, D ec 2011]