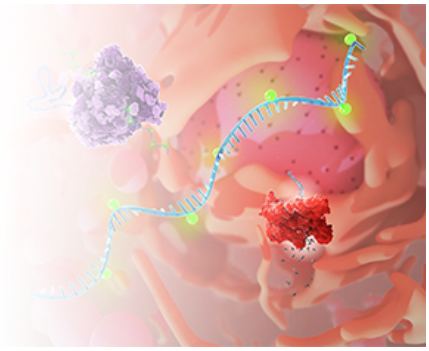


IVTScrip™ mRNA-Human AKTIP, (Cap 1, 2-Thio-UTP, 30 nt-poly(A))

Cat. No.: GTTS-WK20783MR

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

PRODUCT INFORMATION

Product overview

This product GTTS-WK20783MR is a type of mRNA having 30 nt poly(A) tail and modified with Cap 1 & 2-Thio-UTP. It ecodes the AKTIP protein. This product can be used in Natural killer T (NKT) cell-related researches.

Specifications

Modified bases	2-Thio-UTP
5' Cap	Cap 1
Species	Human
RefSeq	NM_001012398.3
Applications	Gene therapy research
Format	Powder
Quantity	100 μg
Purification	Chromatography

SPECIFICATIONS

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GENE INFORMATION

Alternative Names	FT1; FTS
Description	The mouse homolog of this gene produces fused toes and thymic hyperplasia in heterozygous mu tant animals while homozygous mutants die in early development. This gene may play a role in ap optosis as these morphological abnormalities are caused by altered patterns of programmed cell d eath. The protein encoded by this gene is similar to the ubiquitin ligase domain of other ubiquitin-c onjugating enzymes but lacks the conserved cysteine residue that enables those enzymes to conj ugate ubiquitin to the target protein. This protein interacts directly with serine/threonine kinase prot ein kinase B (PKB)/Akt and modulates PKB activity by enhancing the phosphorylation of PKB's reg ulatory sites. Alternative splicing results in two transcript variants encoding the same protein. [provi ded by RefSeq, Jul 2008]

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