



## IVTScrip™ mRNA-Human RPE65, (Cap 1, 5-Methyl-CTP, 30 nt-poly(A))

Cat. No.: GTTS-WK6814MR

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

### PRODUCT INFORMATION

#### Product overview

This product GTTS-WK6814MR is a type of mRNA having 30 nt poly(A) tail and modified with Cap 1 & 5-Methyl-CTP. It encodes the RPE65 protein. This product can be used in -related researches.

#### Specifications

<b>Modified bases</b>	5-Methyl-CTP
<b>5' Cap</b>	Cap 1
<b>Species</b>	Human
<b>RefSeq</b>	NM_000329
<b>Applications</b>	Gene therapy research
<b>Format</b>	Powder
<b>Quantity</b>	100 µg
<b>Purification</b>	oligo-dT affinity purification

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## GENE INFORMATION

<b>Alternative Names</b>	mRPE65; BCO3; RP20
<b>Description</b>	This gene is a protein coding gene. Exhibits all-trans-retinyl-palmitate hydrolase, 11-cis retinol forming activity and isomerase activity. Involved in detection of light stimulus involved in visual perception; retina homeostasis; and terpenoid metabolic process. Localizes to endoplasmic reticulum membrane. Implicated in Leber congenital amaurosis 2; retinitis pigmentosa; and retinitis pigmentosa 20. Biomarker of basal cell carcinoma and squamous cell carcinoma.