



IVTScrip™ mRNA-Human HMOX1, (Cap 1, 2-Thio-UTP, 30 nt-poly(A))

Cat. No.: GTTS-WK6425MR

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

PRODUCT INFORMATION

Product overview

This product GTTS-WK6425MR is a type of mRNA having 30 nt poly(A) tail and modified with Cap 1 & 2-Thio-UTP. It encodes the HMOX1 protein. This product can be used in -related researches.

Specifications

Modified bases	2-Thio-UTP
5' Cap	Cap 1
Species	Human
RefSeq	NM_002133
Applications	Gene therapy research
Format	Powder
Quantity	100 µg
Purification	oligo-dT affinity purification

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GENE INFORMATION

Alternative Names	HMOX1D; HSP32; HO-1
Description	This gene is a protein coding gene. Exhibits several functions, including heme binding activity; heme oxygenase (decyclizing) activity; and protein homodimerization activity. Involved in several processes, including porphyrin-containing compound catabolic process; positive regulation of sprouting angiogenesis; and regulation of smooth muscle cell proliferation. Localizes to endoplasmic reticulum and perinuclear region of cytoplasm. Implicated in several diseases, including artery disease (multiple); cerebrovascular disease (multiple); factor VIII deficiency; lung disease (multiple); and type 2 diabetes mellitus. Biomarker of several diseases, including Behcet's disease; Henoch-Schoenlein purpura; cystic fibrosis; lung disease (multiple); and obstructive sleep apnea.