
Product Data Sheet

Product Name: MRM1 Human
 Cat. No.: GP23950
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Mitochondrial rRNA methyltransferase 1 homolog; rRNA methyltransferase 1; mitochondrial; Mitochondrial large ribosomal RNA ribose methylase; MRM1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSSHAARHG ERPGGEELSR LLLDDLVPST RLELLFGMTP CLLALQAARR SVARLLLQAG KAGLQ GKRAE LLRMAEARDI PVLRRRQKL DTMCRYQVHQ GVCMEVSPLR PRPWREAGEA SPGDDPQQLW LVLDGIQDPR NFGAVLRS AH FLGVDKVITS RRNSCPLTPV VSKSSAGAME VMDVFSTDDL TGFLQTKAQQ GWLVAGTVGC PSTEDPQSSE IPIMSCLEFL WERPTLLVLG NEGSGLSQEV QASCQ LLLTI LPRRQLPPGL ESLNVSVAAG ILLHSICSQR KGFPTEGERR QLLQDPQEPS ARSEGLSMAQ HPGLSSGPEK ERQNEG.		
Formulation	The MRM1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 30% glycerol, 1mM DTT and 0.1mM PMSF.		

Introduction

Mitochondrial rRNA methyltransferase 1 homolog (MRM1) is a part of the RNA methyltransferase TrmH family. MRM1 methylates the ribose of guanosine G-2270 in the peptidyl transferase center of the mitochondrial large ribosomal RNA (21S).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MRM1 Human Recombinant produced in E. coli is a single polypeptide chain containing

Caution: Product has not been fully validated for medical applications. For research use only.

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356 amino acids (21-353) and having a molecular mass of 38.8kDa. MRM1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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