

Product datasheet for TP310077

MRM1 (NM_024864) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human mitochondrial rRNA methyltransferase 1 homolog (*S. cerevisiae*) (MRM1), nuclear gene encoding mitochondrial protein, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC210077 protein sequence
Red=Cloning site Green=Tags(s)

MALLSTVRGATWGRLVTRHFSHAARHGERPGGEELSRLLDDLVPTSRLLELLFGMTPCLLALQAARRSVA
RLLLQAGKAGLQGKRAELLRMAEARDIPVLRPRRQKLDTMCRYQVHQVCMEVSPLRPRPWREAGEASPG
DDPQQLWLVDGIQDPRNFGAVLRS AHFLGVDKIVTSRRNSCPLTPVSKSSAGAMEVMDVFSTDDLTGF
LQTKAQGWLVAGTVGCPSTEDPQSSEIPIMSCLEFLWERPTLLVLGNEGSGLSQEVQASCQLLTLILPR
RQLPPGLES LNVSVAAGILLHSICSQRKGFPTGERRQLLQDPQEPSARSEGLSMAQHPGLSSGPEKERQ
NEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 38.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_079140](#)



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Locus ID: 79922

UniProt ID: [Q6IN84](#)

RefSeq Size: 1851

Cytogenetics: 17q12

RefSeq ORF: 1059

Summary: S-adenosyl-L-methionine-dependent 2'-O-ribose methyltransferase that catalyzes the formation of 2'-O-methylguanosine at position 1145 (Gm1145) in the 16S mitochondrial large subunit ribosomal RNA (mtLSU rRNA), a universally conserved modification in the peptidyl transferase domain of the mtLSU rRNA.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified MRM1 protein (Cat# TP310077). The protein was produced from HEK293T cells transfected with MRM1 cDNA clone (Cat# [RC210077]) using MegaTran 2.0 (Cat# [TT210002]).