

MRM1, 21-353aa, Human, His tag, E.coli

Cat.NO.: TP03020

3th Edition

Synonyms:Mitochondrial rRNA methyltransferase 1 homolog, FLJ22578, Mitochondrial large ribosomal RNA ribose methylase

Description:Mitochondrial rRNA methyltransferase 1 homolog, also known as MRM1, probably methylates the ribose of guanosine G-2270 in the peptidyl transferase center of the mitochondrial large ribosomal RNA (21S). Recombinant human MRM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT, 0.1mM PMSF

Molecular Weight:38.8 kDa (356aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSSHAARHGERPGGEELSRLLLLDLVPTSRLELLFGMTPCLLALQAARRSVARL
LLQAGKAGLQGKRAELLRMAEARDIPVLRPRRQKLDTCRYQVHQGVCMESPLRPRPWREAGEASPGDDPQQ
LWLVLGDIQDPRNFGAVLRSALHFLGVDKIVTSRRNSCPLTPVVSAGAMEVMDVFSTDDLGTGFLQTKAQQGWL
VAGTVGCPSTEDPQSSEIPIMSCLEFLWERPTLLVLGNEGSGLSQEVQASCQLLLTILPRRQLPPGLES LNVSVAAGI
LLHSICSQRKGFPTGERRQLLQDPQEPSARSEGLSMAQHPGLSSGPEKERQNEG

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.