

AR50446PU-S

Human DIMT1L (1-313, His-tag) - Purified

Alternate names:	18S rRNA dimethylase, DIM1 dimethyladenosine transferase 1-like, DIMT1, HUSSY-05, N'-adenosyl(rRNA) dimethyltransferase, S-adenosylmethionine-6-N', dimethyladenosine transferase
Quantity:	0.1 mg
Concentration:	0.25mg/ml (determined by Bradford assay)
Background:	DIMT1 (DIM1 dimethyladenosine transferase 1 homolog) belongs to the methyltransferase superfamily. This enzyme is specifically dimethylates two adjacent adenosines in the loop of a conserved hairpin near the 3'-end of 18S rRNA in the 40S particle. It functions to dimethylate adjacent adenosines on the conserved hairpin loop of 18S rRNA in the 40S particle. DIMT1L is localized to the nucleolus.
Uniprot ID:	Q9UNQ2
NCBI:	NP_055288
GeneID:	27292
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer, pH8.0, 30% glycerol, 2mM DTT, 200mM NaCl, 2mM EDTA
Description:	Recombinant human DIMT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MMPKVKSGAI GRRRGRQEQR RELKSAGGLM FNTGIGQHIL KNPLIINSII DKAALRPTDV VLEVGPGTGN MTVKLLEKAK KVVACELDPR LVAELHKRVQ GTPVASKLQV LVGDVLKTDL PFFDTCVANL PYQISSPFVF KLLHRPFFR CAILMFQREF ALRLVAKPGD KLYCRLSINT QLLARVDHLM KVGKNNFRPP PKVESSVURI EPKNPPPPIN FQEW DGLVRI TFRKNKTLS AAFKSSAVQQ LLEKNYRIHC SVHNIIPED FSIADKIQQI LTSTGFSDKR ARSMDIDDFI RLLHGFNAEG IHFS Molecular weight: 37.5 kDa (334aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Scherl A., et al. (2002) Mol. Biol. Cell 13:4100-4109 Saltman, et al. (1993) Genomics 16:726-732.

Pictures:

