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**Product Data Sheet**


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Product Name: DIMT1 Human  
 Cat. No.: GP21561  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Probable dimethyladenosine transferase; DIM1 dimethyladenosine transferase 1 homolog; DIM1 dimethyladenosine transferase 1-like; Probable 18S rRNA (adenine(1779)-N(6)/adenine(1780)-N(6))-dimethyltransferase; Probable 18S rRNA dimethylase; Probable S-adenosylmethionine-6-N';N'-adenosyl(rRNA) dimethyltransferase; DIMT1; DIMT1L; HUSSY-05; HSA9761.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MMPKVKSGAI GRRRGRQEQR RELKSAGGLM FNTGIGQHIL KNPLIINSII DKAALRPTDV VLEVPGGTGN MTVKLEKAK KVVACELDPR LVAELHKRVQ GTPVASKLQV LVGDVLKTDL PFFDTCVANL PYQISSPFVF KLLLHRPFFR CAILMFQREF ALRLVAKPGD KLYCRLSINT QLLARVDHLM KVGKNNFRPP PKVESSVURI EPKNPPPPIN FQEWGDLVRI TFVRKNKTLS AAFKSSAVQQ LLEKNYRIHC SVHNIIPED FSIADKIQQI LTSTGFSDKR ARSMDIDDFI RLLHGFNAEG IHFS.		
Formulation	The DIMT1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 30% glycerol, 2mM DTT, 200mM NaCl and 2mM EDTA.		

**Introduction**

DIM1 dimethyladenosine transferase 1 homolog (DIMT1) is a member of the methyltransferase superfamily. The DIMT1 enzyme specifically dimethylates 2 adjacent adenosines in the loop of a conserved hairpin near the 3'-end of 18S rRNA in the 40S particle. DIMT1 is restricted to the nucleolus.

**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%

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

DIMT1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 334 amino acids (1-313) and having a molecular mass of 37.5kDa. DIMT1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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