

## 32-2273: DIMT1 Recombinant Protein

### Alternative Name :

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-

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

#### Amount :

20 µg

#### Purification :

Greater than 90.0% as determined by SDS-PAGE.

#### Content :

The DIMT1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 30% glycerol, 2mM DTT, 200mM NaCl and 2mM EDTA.

#### Storage condition :

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.

#### Amino Acid :

MGSSHHHHHH SGLVPRGSH MMPKVKSGAI GRRRGRQEQR RELKSAGGLM FNTGIGQHIL KNPLIINSII  
DKAALRPTDV VLEVPGTGN MTVKLLEKAK KVVACELDPR LVAELHKRVQ GTPVASKLQV LVGDVLKTDL  
PFFDTCVANL PYQISSPFVF KLLHRPFFR CAILMFQREF ALRLVAKPGD KLYCRLSINT QLLARVDHLM  
KVGKNNFRPP PKVESSVRI EPKNPPPIN FQEW DGLVRI TFVRKNKTLS AAFKSSAVQQ LLEKNYRIHC  
SVHNIIPED FSIADKIQQI LTSTGFSDKR ARSMDIDDFI RLLHGFNAEG IHFS.

