

DIMT1 Human

Description: 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.

Catalog #: ENPS-635

For research use only.

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-adenosine

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MMPKVKSGAI GRRRGRQEQR
RELKSAGGLM FNTGIGQHIL KNPLIINSII DKAALRPTDV VLEVGPGTGN MTKLLEKAK
KVVACELDPR LVAELHKRVQ GTPVASKLQV LVGDVLKTDL PFFDTCVANL PYQISSPFVF
KLLLHRPFFR CAILMFQREF ALRLVAKPGD KLYCRLSINT QLLARVDHLM KVGKNNFRPP
PKVESSVRI EP

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

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

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

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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