

DIMT1, 1-313aa, Human, His tag, E.coli

Cat.NO.: TP01879

3th Edition

Synonyms:DIM1 dimethyladenosine transferase 1 homolog, DIM1, DIMT1L, HSA9761, HUSSY5.

Description: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.

Form:Liquid. In 20 mM Tris-HCl buffer, pH8.0, 30% glycerol, 2mM DTT, 200mM NaCl, 2mM EDTA

Molecular Weight:37.5kDa (334aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMMPKVKSGAIGRRRGRQEQRRELKSAGGLMFNTGIGQHILKNPLIINSIIDKAALR
PTDVVLEVGPVTGNMTVKLLEKAKKVVACELDPRLVAELHKRVQGTVPASKLQVLVGDVLKTDLPFFDTCVANLPY
QISSPFVFKLLLHRPFFRCAILMFQREFALRLVAKPGDKLYCRLSINTQLLARVDHLMKVGKNNFRPPPKESSVVR
EPKNPPPPINFQEWGDLVRITFVRKNKTLAAFKSSAVQQLLEKNYRIHCSVHNIIPEDFSIADKIQQILTSTGFSDKR
ARSMIDDDFIRLLHGFNAEGIHFS

Purity:> 95% by HPLC

Concentration:0.25mg/ml

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.