

Recombinant Human DDMT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DDMT1-1213H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DDMT1L MS Standard C13 and N15-labeled recombinant protein (NP_055288) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a methyltransferase that is responsible for dimethylation of adjacent adenosines near the 18S rRNA decoding site. The encoded protein is essential for ribosome biogenesis, although its catalytic activity is not involved in the process. The yeast ortholog of this protein functions in the cytoplasm while this protein functions in the nucleus.
Molecular Mass	35.2 kDa
AA Sequence	MPKVKSGAIGRRRGRQEQRRELKSAGGLMFNTGIGQHILKNPLIINSIIDKAALRPTD VVLEVGP GTGNMTVKLLEKAKKVACELDPRLVAELHKRVQGTPVASKLQVLVGDV LKTDLPFFDTCVANLPYQISSPFVKLLLHRPFFRCAILMFQREFALRLVAKPGDKLY CRLSINTQLLARVDHLMKVGKNNFRPPPKVESSVVRIEKNPPPPINFQEW DGLVRIT FVRKNKTL SAAFKSSAVQQLLEKNYRIHCSVHNIIPEDFSIADKIQILTSTGFSDKRA RSM DIDD FIRLLHGFNAEGIHFSRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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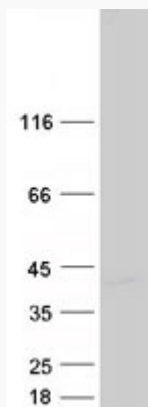
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	DIMT1 DIMT1 rRNA methyltransferase and ribosome maturation factor [Homo sapiens (human)]
Official Symbol	DIMT1
Synonyms	DIMT1; DIM1 dimethyladenosine transferase 1 homolog (S. cerevisiae); DIM1 dimethyladenosine transferase 1 like (S. cerevisiae), DIMT1L; probable dimethyladenosine transferase; HSA9761; 18S rRNA dimethylase; dimethyladenosine transferase; probable 18S rRNA dimethylase; S-adenosylmethionine-6-N,N-adenosyl(rRNA) dimethyltransferase; 18S rRNA (adenine(1779)-N(6)/adenine(1780)-N(6))-dimethyltransferase; probable S-adenosylmethionine-6-N,N-adenosyl(rRNA) dimethyltransferase; probable 18S rRNA (adenine(1779)-N(6)/adenine(1780)-N(6))-dimethyltransferase; DIM1; DIMT1L; HUSSF5;
Gene ID	27292
mRNA Refseq	NM_014473
Protein Refseq	NP_055288

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MIM 612499**UniProt ID** Q9UNQ2**SDS-PAGE**

116 —
66 —
45 —
35 —
25 —
18 —

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