

TRDMT1, 1-391aa, Human, His tag, E.coli

Cat.NO.: TP04305

3th Edition

Synonyms:tRNA (cytosine(38)-C(5))-methyltransferase, M.HsaIIP, PuMet, RNMT1, DNMT2

Description:TRDMT1(tRNA aspartic acid methyltransferase 1), also known as DNMT2, specifically methylates cytosine 38 in the anticodon loop of tRNA(Asp). Recombinant human TRDMT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Molecular Weight:47.2 kDa (415aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMEPLRVLELYSGVGGMHHALRESCIPAQVVAIDVNTVANEVYKYNFPHT
QLLAKTIEGITLEEFDRLSFDMILMSPPCQPFTRIGRQGDMTDSRTNSFLYILDILPRLQKLPKYILLENVKGFVVSSTR
DLIIQTIENCGFYQEFLSPTS LGIPNSRLRYFLIAKLQSEPLPFQAPGQVLMFEPKIESVHPQKYAMDVENKIQEKN
VEPNISFDGSIQCSGKDAILFKLETAEEIHRKNQQSDLSVKMLKDFLEDDTDVNQYLLPPKSLLRYALLLDIVQPTCR
RSVCFTKGYGSYIEGTGSVLQTAEDVQVENIYKSLTNLSQEEQITKLLILKLYFTPKEIANLLGFPPEFGFPEKITVKQ
RYRLLGNSLNVHVAKLIKILYE

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

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.