9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-2864: TRDMT1 Recombinant Protein

Alternative Name :	tRNA (cytosine(38)-C(5))-methyltransferase,DNA (cytosine-5)-methyltransferase-like protein 2,Dnmt2,DNA methyltransferase homolog HsaIIP,DNA MTase homolog HsaIIP,M.HsaIIP,PuMet,TRDMT1,DNMT2,DMNT2,RNMT1,MHSAIIP.

Description

Source : Escherichia Coli. TRDMT1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 415 amino acids (1-391) and having a molecular mass of 47.2kDa.TRDMT1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. tRNA aspartic acid methyltransferase 1 (TRDMT1) is a member of the C5-methyltransferase family. TRDMT1 specifically methylates cytosine 38 in the anticodon loop of tRNA(Asp). TRDMT1 is a protein responsible for the methylation of aspartic acid transfer RNA, particularly at the cytosine-38 residue in the anticodon loop. In addition, the TRDMT1 enzyme has residual DNA-(cytosine-C5) methyltransferase activity. TRDMT1 is expressed ubiquitously; however it has a higher expression in the testis, ovary and thymus and at much lower levels in the spleen, prostate, colon, small intestine, and peripheral blood leukocytes. Though similar in sequence and structure to DNA cytosine methyltransferases, the TRDMT1 gene is distinctive and extremely conserved in its function between taxa.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The TRDMT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.
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 SSGLVPRGSH MGSHMEPLRV LELYSGVGGM HHALRESCIP AQVVAAIDVN TVANEVYKYN FPHTQLLAKT IEGITLEEFD RLSFDMILMS PPCQPFTRIG RQGDMTDSRT NSFLYILDIL PRLQKLPKYI LLENVKGFEV SSTRDLLIQT IENCGFQYQE FLLSPTSLGI PNSRLRYFLI AKLQSEPLPF QAPGQVLMEF PKIESVHPQK YAMDVENKIQ EKNVEPNISF DGSIQCSGKD AILFKLETAE EIHRKNQQDS DLSVKMLKDF LEDDTDVNQY LLPPKSLLRY ALLLDIVQPT CRRSVCFTKG YGSYIEGTGS VLQTAEDVQV ENIYKSLTNL SQEEQITKLL ILKLRYFTPK EIANLLGFPP EFGFPEKITV KQRYRLLGNS LNVHVVAKLI KILYE.