RIZ1 Protein, Human (His)

Cat. No.:	HY-P701105
Synonyms:	PR domain zinc finger protein 2; MTB-ZF; Zinc finger protein RIZ; PRDM2; KMT8; RIZ
Species:	Human
Source:	E. coli
Accession:	Q13029 (M1-A200)
Gene ID:	7799
Molecular Weight:	Approximately 27 kDa

PROPERTIES

AA Sequence	MNQNTTEPVA ATETLAEVPE HVLRGLPEEV RLFPSAVDKT RIGVWATKPI LKGKKFGPFV GDKKKRSQVK NNVYMWEVYY PNLGWMCIDA TDPEKGNWLR YVNWACSGEE QNLFPLEINR AIYYKTLKPI APGEELLVWY NGEDNPEIAA AIEEERASAR SKRSSPKSRK GKKKSQENKN KGNKIQDIQL KTSEPDFTSA
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	RIZ1 protein serves as an S-adenosyl-L-methionine-dependent histone methyltransferase, demonstrating specificity in methylating 'Lys-9' of histone H3. Beyond its histone modification role, RIZ1 may also function as a DNA-binding transcription factor, with an affinity for the macrophage-specific TPA-responsive element (MTE) within the HMOX1 (heme oxygenase 1) gene. In this context, it is implicated as a potential transcriptional activator for HMOX1, suggesting a regulatory role in the expression of this gene.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA