

PRDM2 (KMT8) Protein

Recombinant human protein expressed in Sf9 cells

Catalog # P333-31G

Lot # B1989-5

Product Description

Recombinant PRDM2 (KMT8) (1-340) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The PRDM2 (KMT8) gene accession number is [NM_012231](#).

Gene Aliases

HUMHOXY1; KMT8; MTB-ZF; RIZ; RIZ1; RIZ2

Formulation

Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.

Storage and Stability

Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

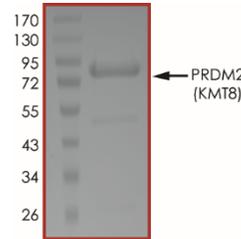
Scientific Background

PRDM2 is a histone methyltransferase that specifically methylates lysine-9 of histone H3. PRDM2 is a retinoblastoma protein-interacting zinc finger protein and a tumor suppressor. Loss of PRDM2 activity through loss of mRNA expression, frameshift, deletion, and missense mutation is commonly found in many types of human cancers (1, 2).

References

- Du, Y., et al. Hypermethylation in human cancers of the RIZ1 tumor suppressor gene, a member of a histone/protein methyltransferase superfamily. *Cancer Res.* 61(22):8094-9, 2001.
- Kim, K.C., et al. Inactivation of a histone methyltransferase by mutations in human cancers. *Cancer Res.* 63(22):7619-23, 2003.

Purity



The purity of PRDM2 (KMT8) was determined to be **>85%** by densitometry, approx. MW **80 kDa**.

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Catalog #	P333-31G
Lot #	B1989-5
Purity	>85%
Concentration	0.1 µg/µl
Stability	1 yr at -70°C from date of shipment
Storage & Shipping	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped on dry ice.

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