

## Product datasheet for **TP327715M**

### **RIZ1 (PRDM2) (NM\_001135610) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human PR domain containing 2, with ZNF domain (PRDM2), transcript variant 4, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC227715 representing NM_001135610 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MNQNTTEPVAATETLAEVPEHVLRLPPEEVLFPSSAVDKTRIGVWATKPILKGGKFGPFVGDKKKRSQVK NNVYMWEVYYPNLGWMCIDATDPEKGNWLRVYVNWACSGEEQNLFPLEINRAIYYKTLKPIAPGEELLVWY NGEDNPEIAAAIEERASARSKRSPKSRKATASAWRPDALHQRPRTPSGSIGRSKLQLQPSSRDHSSKS RHSGCSLTAPEVTWNQ  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	25.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_001129082</a></u>
<b>Locus ID:</b>	7799



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UniProt ID: [Q13029](#)

Cytogenetics: 1p36.21

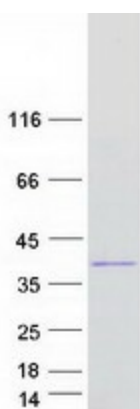
RefSeq ORF: 678

Synonyms: HUMHOXY1; KMT8; KMT8A; MTB-ZF; RIZ; RIZ1; RIZ2

**Summary:** This tumor suppressor gene is a member of a nuclear histone/protein methyltransferase superfamily. It encodes a zinc finger protein that can bind to retinoblastoma protein, estrogen receptor, and the TPA-responsive element (MTE) of the heme-oxygenase-1 gene. Although the functions of this protein have not been fully characterized, it may (1) play a role in transcriptional regulation during neuronal differentiation and pathogenesis of retinoblastoma, (2) act as a transcriptional activator of the heme-oxygenase-1 gene, and (3) be a specific effector of estrogen action. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified PRDM2 protein (Cat# [TP327715]). The protein was produced from HEK293T cells transfected with PRDM2 cDNA clone (Cat# [RC227715]) using MegaTran 2.0 (Cat# [TT210002]).