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Product datasheet for TP327715L

RIZ1 (PRDM2) (NM_001135610) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human PR domain containing 2, with ZNF domain (PRDM2), transcript variant 4, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC227715 representing NM_001135610 Red=Cloning site Green=Tags(s) MNQNTTEPVAATETLAEVPEHVLRGLPEEVRLFPSAVDKTRIGVWATKPILKGKKFGPFVGDKKKRSQVK NNVYMWEVYYPNLGWMCIDATDPEKGNWLRYVNWACSGEEQNLFPLEINRAIYYKTLKPIAPGEELLVWY NGEDNPEIAAAIEEERASARSKRSSPKSRKATASAWRPDALHQRPRTSPGSIGRSKLQLQPSSRDHSSKS RHSGCSLTAPEVTWNQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	25.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001129082
Locus ID:	7799

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UniProt ID: Q13029

Cytogenetics: 1p36.21

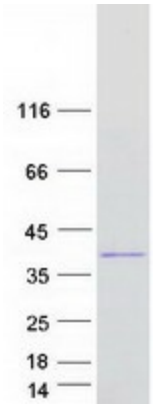
RefSeq ORF: 678

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]).