

Product datasheet for PH327715

RIZ1 (PRDM2) (NM_001135610) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRDM2 MS Standard C13 and N15-labeled recombinant protein (NP_001129082)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC227715
Predicted MW:	25.3 kDa
Protein Sequence:	>RC227715 representing NM_001135610 Red=Cloning site Green=Tags(s) MNQNTTEPVAATETLAEVPEHVLRLPEEVRLFPSAVDKTRIGVWATKPIILKGKKFGPFVGDKKKRSQVK NNVYMWEVYYPNLGWMCIDATDPEKGNWLRVYNWACSGEEQNLFPLEINRAIYYKTLKPIAPGEELLVWY NGEDNPEIAAAIEEERASARSKRSPKSRKATASAWRPDALHQRPRTPSGSIGRSKLQLQPSSRDHSSKS RHSGCSLTAPEVTWNQ TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001129082
RefSeq ORF:	678
Synonyms:	HUMHOXY1; KMT8; KMT8A; MTB-ZF; RIZ; RIZ1; RIZ2
Locus ID:	7799
UniProt ID:	Q13029
Cytogenetics:	1p36.21



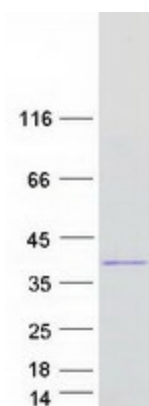
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Summary:

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]).