

RIZ1 (2-200 aa) (GST-tagged), Human recombinant protein
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Catalog # PBV11248r**Specification**

RIZ1 (2-200 aa) (GST-tagged), Human recombinant protein - Product info

Primary Accession [Q13029](#)
Calculated MW **49.5 kDa (2-200 aa + NT GST Tag) KDa**

RIZ1 (2-200 aa) (GST-tagged), Human recombinant protein - Additional Info

Gene ID **7799**
Gene Symbol **PRDM2**
Other Names
KMT8; PRDM2; PR Domain Zinc Finger Protein 2; Retinoblastoma Protein-interacting Zinc Finger Protein

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Target/Specificity
PRDM2

Format
Liquid

Storage
-80°C; 50 mM Tris, pH 7.5, containing 150 mM sodium chloride and 20% glycerol.

RIZ1 (2-200 aa) (GST-tagged), Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RIZ1 (2-200 aa) (GST-tagged), Human recombinant protein - Images**RIZ1 (2-200 aa) (GST-tagged), Human recombinant protein - Background**

Retinoblastoma protein-interacting zinc finger protein 1 (RIZ1), also known as PRDM2, is a

SAM-dependent histone methyltransferase that specifically methylates histone H3 on lysine 9. RIZ1 contains 8 zinc-finger motifs and 1 PR domain. The RIZ gene encodes two different proteins, RIZ1 and RIZ2. RIZ1 is a tumor suppressor that can arrest the cell cycle and induce apoptosis. RIZ2 however, is a proto-oncoprotein lacking the N-terminal PR domain containing the methyltransferase activity. When RIZ1 is silenced or mutated, the reduced methyltransferase activity can lead to inheritable changes in chromatin methylation and gene expression patterns.

RIZ1 (2-200 aa) (GST-tagged), Human recombinant protein - References

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Liu L.,et al.J. Biol. Chem. 272:2984-2991(1997).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
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Shapiro V.S.,et al.Gene 163:329-330(1995).