

PRDM9 recombinant protein

Recombinant PRDM9 (191-414) protein

CATALOG #
AAA59728

HOST
E Coli

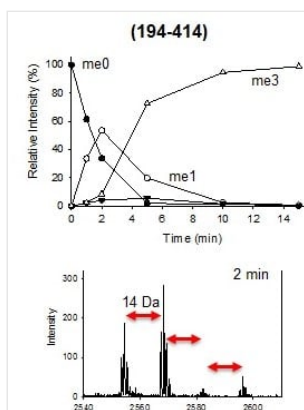
PRODUCT SYNONYMS

PRDM9; Recombinant PRDM9 (191-414) protein; PFM6; MSBP3; ZNF899; MEISETZ; PRDM9 recombinant protein

PRODUCT SPECIFICATIONS

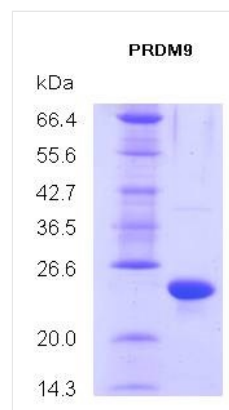
Host	E Coli
Form/Format	Recombinant PRDM9 protein was expressed in E Coli and is supplied in 20mM Tris pH7.5, 300mM NaCl, 0.5mM TCEP, 5% glycerol, 1 uM ZnCl ₂ .
Protein Species	Human
Tag	GST-Tag
Notes	Recombinant PRDM9 is suitable for use in enzyme kinetics, inhibitor screening, and selectivity profiling. HMT Assay Conditions: 50mM TrisCl, pH 8.5, 30mM NaCl, 5% glycerol, 2mM DTT, 5, 25, and 50uM H3 (1-24) peptide, 100nm Recombinant PRMT5 protein at room temperature.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



Application Data

Recombinant PRDM9 protein activity assay. PRDM9 protein was used in an HMT assay to determine enzyme activity. Activity was detected by MALDI-TOF.



SDS-PAGE

Recombinant PRDM9 protein gel. PRDM9 protein was run on a 12% SDS-PAGE gel and stained with Coomassie blue.

ADDITIONAL INFORMATION

Related Product Information for PRDM9 recombinant protein	Short Description: Recombinant PRDM9 protein contains amino acids 191-414 of the human PRDM9 (accession number NP_064612.2) with a GST-Tag and expressed in E Coli with a molecular weight of 25.6 kDa. It is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling. Background: PRDM9 (PR Domain Containing 9) is a Histone methyltransferase that specifically trimethylates Lys-4 of histone H3 during meiotic prophase and is essential for proper meiotic progression. Does has the ability to mono- and dimethylate Lys-4 of histone H3. H3 Lys-4 methylation represents a specific tag for epigenetic transcriptional activation. Plays a central role in the transcriptional activation of genes during early meiotic prophase (By similarity).
Product Categories/Family for PRDM9 recombinant protein	Recombinant Proteins; Histone Methyltransferase (HMT)

NCBI AND UNIPROT INFORMATION

NCBI GI #	147905620
NCBI GeneID	56979
NCBI Accession #	NP_064612.2
NCBI GenBank Nucleotide #	NM_020227.3
Molecular Weight	103,376 Da
NCBI Official Full Name	histone-lysine N-methyltransferase PRDM9 isoform PRDM9 B
NCBI Official Synonym Full Names	PR domain 9
NCBI Official Symbol	PRDM9
NCBI Official Synonym Symbols	PFM6; MSBP3; ZNF899; MEISETZ
NCBI Protein Information	histone-lysine N-methyltransferase PRDM9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/prdm9-recombinant-protein-e-coli/59728>