

Recombinant Human PRMT9 Protein, GST-tagged

Cat. No. PRMT9-4748H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LOC90826 full-length ORF (BAG53354.1, 1 a.a. - 732 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a type II methyltransferase. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes, whereby PRMTs methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to the guanidino nitrogen atoms of arginine. The protein encoded by this gene methylates spliceosome associated protein 145 to regulate alternative splicing and acts as a modulator of small nuclear ribonucleoprotein maturation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Apr 2017]
Molecular Mass	108.3 kDa
AA Sequence	MGFRDEAAGYFHKAVKLNPDFSDAKENFYRVANWLVERWHFIMLNDTKRNTIYNAA IQKAVCLGSKSVLDIGAGTGILSMFAKKAGAHSVYACELSKTMYELACDVVAANKME AGIKLLHTKSLDIEIPKHIPERVSLVVTETVDAGLFGEGIVESLIHAWEHLLLQPKTKGE SANCEKYGKVIPASAVIFGMAVECAEIRRHHRVGIKDIAGIHLPTNVKFQSPAYSSVD TEETIEPYTTEKMSRVPGGYLALTECFEIMTVDFNNLQELKSLATKKPKDKIGIPVIKEGI LDAIMVWFVLQLDDEHSLSTSPSEETCWEQAVYPVQDLADYWIKPGDHVMMEVSC

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QDCYLRIQSISVLGLECEMDVAKSFTQNKDLLSLGNEAELCSALANLQTSKPDAVEQ
 TCILESTEIALLNNIPYHEGFKMAMSKVLSSLTPEKLYQTMETHCQNMSSGTGQSN
 TVQNILEPFYVLDVSEGFSVLPVIAGTLGQVKPYSSVEKDQHRIALDLISEANHFPKET
 LEFWLRHVEDESAMLQRPKSDKLWSIIILDVIEPSGLIQQEIMEKAAISRCLLQSGGKIF
 PQYVLMFGLLVESQTLLEENAVQGTERTLGLNIAPFINQFQVPIRVFLDLSSLPCIPLS
 KPVELLRLDLMTPYLNTSNREVKVYVCKSGRLTAIPFWYHMYLDEEIRLDTSSSEASH
 WKQAAVVDNPIQVEMGEELVLSIQHHKSNVSITVKQ

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

PRMT9 protein arginine methyltransferase 9 [Homo sapiens (human)]

Official Symbol

PRMT9

Synonyms

PRMT9; protein arginine methyltransferase 9; protein arginine N-methyltransferase 9;
 putative protein arginine N-methyltransferase 9; protein arginine N-methyltransferase
 10; protein arginine methyltransferase 10 (putative); putative protein arginine N-
 methyltransferase 10; EC 2.1.1.320

Gene ID

90826

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mRNA Refseq	NM_001304458
Protein Refseq	NP_001291387
MIM	616125
UniProt ID	Q6P2P2

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