

Product datasheet for **TP319200**

EHMT2/G9A (EHMT2) (NM_025256) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human euchromatic histone-lysine N-methyltransferase 2 (EHMT2), transcript variant NG36/G9a-SPI, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC219200 representing NM_025256
Red=Cloning site **Green**=Tags(s)

MAAAAGAAAAAAEAGEAPAEMGALLLEKETRGATERVHGS LGDTPRSEETLPKANPDSLEPAGPSSPASV
TVTVGDEGADTPVGATPLIGDESENLEGDGDLRGGRILLGHATKSFSPSPSKGGSCPSRAKMSMTGAGKS
PPSVQSLAMRLLSMPGAQGAAGSEPPATTSPGQPKVHRARKTMSKPGNGQPPVPEKRPPEIQHFRM
SDDVHSLGKVTSDLAKRRKLNSGGGLSEELGSARRSGEVTLTGDPGSLEEWETVVGDDFSLYDSYSVD
ERVDSDSKSEVEALTEQLSEEEEEEEEEEEEEEEEEEEEEDEESGNQSDRSGSSGRRKAKKKWRKDS
PWVKPSRKRKRREPPRAKEPRGVSNDTSSLETERGFEELPLCSCRMEAPKIDRISERAGHKCMATESVDG
ELSGCNAAILKRETMRPSSRVALMVLCEHTRARMVHHCCPGCGYFCTAGTFLECHPDFRVAHRFHKACV
SQLNGMVFCPHCGEDASEAQEV TIPRGDGVTPPAGTAAPAPPPLSQDVPGRADTSQPSARMRGHGEPRRP
PCDPLADTIDSSGPSLTLPNGGCLSAVGLPLPGGREALEKALVIQESERRKKLRFHPRQLYLSVKQGELQ
KVILMLLDNLDPNFQSDQQSKRTPHAAAQKGSVEICHVLLQAGANINAVDKQQRTPLEAVNNHLEVA
RYMVQRGGCVYSKEEDGSTCLHHAAKIGNLEMVSLLLSTGQVDVNAQDSGGWTPIIWAAEHKHIEVIRML
LTRGADVTLTDNEENICLHWASFTGSAAIAEVLLNARCDLHAVNYHGDTPLHIAARES YHDCVLLFLSRG
ANPELRNKEGDTAWDLTPERSDVWFALQLNRKLRLGVGNRAIRTEKIICRDVARGYENVPICVNGVDGE
PCPEDYKYISENCETSTMNIDRNITHLQHCTCVDDCSSSNCLCGQLSIRCWYDKDGRLLQEFNKIEPPLI
FECNQACSCWRNCKNRVQSGIKVRLQLYRTAKMGWGVRLQTIPQGT FICEYVGELISDAEADVREDD
YLFDLDNKDGEVYCIDARYYGNISRFINHLCDPNIIIPVRVFMHLHQDLRFPIAFFSSRDIRTGEELGFDY
GDRFWDIKSKYFTCCQCGSEKCKHSAEIALEQSRLARLDPHPELLPELGS LPPVNT

TRTRPLE**QKLISEEDLA**ANDILDY**KDDDDKV**

Tag: C-Myc/DDK

Predicted MW: 128.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

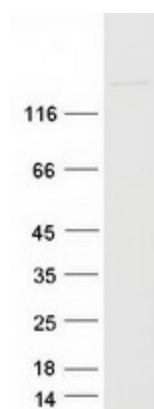
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining



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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_079532
Locus ID:	10919
UniProt ID:	Q96KQ7
RefSeq Size:	3892
Cytogenetics:	6p21.33
RefSeq ORF:	3528
Synonyms:	BAT8; C6orf30; G9A; GAT8; KMT1C; NG36
Summary:	This gene encodes a methyltransferase that methylates lysine residues of histone H3. Methylation of H3 at lysine 9 by this protein results in recruitment of additional epigenetic regulators and repression of transcription. This gene was initially thought to be two different genes, NG36 and G9a, adjacent to each other in the HLA locus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]
Protein Families:	Druggable Genome
Protein Pathways:	Lysine degradation

Product images:



Coomassie blue staining of purified EHMT2 protein (Cat# TP319200). The protein was produced from HEK293T cells transfected with EHMT2 cDNA clone (Cat# [RC219200]) using MegaTran 2.0 (Cat# [TT210002]).