

## Product datasheet for TP319200L

### 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, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC219200 representing NM\_025256  
Red=Cloning site Green=Tags(s)

MAAAAGAAAAAEEGEAPAEMGALLLEKETRGATERVHGS LGDTPRSEETLPKANPDSLEPAGPSSPASV  
TVTVGDEGADTPVGATPLIGDESENLEGDGLRGGRI LLGHATKSFSSPSKGGSCPSRAKMSMTGAGKS  
PPSVQSLAMRLLSMPGAQGAAAAGSEPPATTSP EGQPKVHRARKTMSKPGNGQPPVPEKRPPEIQHFRM  
SDDVHSLGKVTSDLAKRRKLNSSGGGLSEELGSARRS GEVTLTKGDPGSLEEWETVVGDDFSLYDSYSVD  
ERVSDSKSEVEALTEQLSEEEEEEEEEEEEEEEEEEE DEESGNQSDRS GSSGRRKAKKKWRKDS  
PWVKPSRKRKRREPPRAKEPRGVSNDTSSLETERGFEEL PLCSCRMEAPKIDRISERAGHKCMATESVDG  
ELSGCNAAILKRETMRPSRVALMVLCE THRARMVKHHCCPGCGYFCTAGTFLECHPDFRVAHRFHKACV  
SQLNGMVFCPHCGEDASEAQEVTIPRGDGVTPPAGT AAPAPPLSQDVPGRADTSQPSARMRGHGEP RRP  
PCDPLADTIDSSGPSLTLPNGGCLSAVGLPLPGGREALEKALVIQESERRKLRHFPRQLYLSVKQGELQ  
KVILMLLDNLDPNFQSDQSKRTPHAAAQKGSVEICHVLL QAGANINAVDKQQRTPLEAVVNNHLEVA  
RYMVQRGGCVYSKEEDGSTCLHHA AKIGNLEMVSLLLSTGQVDVNAQDSGGWTPIIWAAEHKHIEVIRML  
LTRGADVTLTDNEENICLHWASFTGSA AIAEVLLNARCDLHAVNYHGDTPLHIAARES YHDCVLLFLSRG  
ANPELRNKEGDTAWDLTPERSDVWFALQLNRKLR LGVGNRAIRTEKIIICRDVARGYENVPIPCVNGVDGE  
PCPEDYKYISENCETSTMNIDRNITHLQHCTCVDDC SSSNCLCGQLSIRCWYDKDGRLLQEFNKIEPLI  
FECNQACSCWRNCKNRVQSGIKVRLQLYRTAKMGWGVRALQTIPQGT FICEYVGELISDAEADVREDD S  
YLFDLDNKDGEVYCIDARYYGNISRFINHLCDPN IIPVRVFMHLHQDLRFPRIAFFSSRDIRTGEELGFDY  
GDRFWDIKSKYFTCQCGSEKCKHSAEAI ALEQSRLARLDPHPELLPELGS LPPVNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 128.8 kDa

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

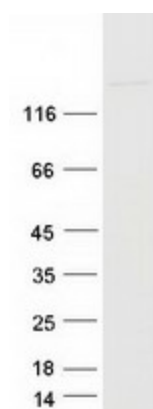
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_079532</a>
<b>Locus ID:</b>	10919
<b>UniProt ID:</b>	<a href="#">Q96KQ7</a>
<b>RefSeq Size:</b>	3892
<b>Cytogenetics:</b>	6p21.33
<b>RefSeq ORF:</b>	3528
<b>Synonyms:</b>	BAT8; C6orf30; G9A; GAT8; KMT1C; NG36
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).