

Product datasheet for TP511146

Dnmt3a (NM_007872) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse DNA methyltransferase 3A (Dnmt3a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211146 representing NM_007872 Red=Cloning site Green=Tags(s)
	<p>MPSSGPGDTSSSSLEREDDRKEGEEQEENRGKEERQEPSATARKVGRPGRKRKHPPVSSDTPKDPAVTT KSQPMAQDSGSDLLPNGDLEKRSEPPQEEGSPAAGQKGGAPAEGETETPPEASRAVENGCCVTKEGRG ASAGEGKEQKQTNIESMKMEGSRGRLRGGLGWESSLRQRPMPRLTFQAGDPYIYISKRKRDEWLARWKREA EKKAKVIAVMNAVEENQASGESQKVVEASPPAVQQPTDPASPTVATTPEPVGGDAGDKNATKAADDEPEY EDGRGFGIGELVWGKLRGFSWWPGRIVSWWMTGRSRAAEGTRWVMWFGDGKFSVVCVEKLMPLSSFCSAF HQATYNKQPMYRKAIYEVLQVASSRAGKLPACHDSDSDSGKAVEVQNKQMIEWALGGFQPSGPKGLEP PEEEKNPYKEVYTDMMWVEPEAAAYAPPPAKKPRKSTTEKPKVKEIIDERTRELRVYEVQRKCRNIEDIC ISCGSLNVTLEHPLFIGGMCQNCKNCFLECAQYDDDDGYQSYCTICCGREVLNCGNCCRCFCVEVCVD LLVGPAAQAAIKEDPWNCYMCGHKGTYGLLRREDWPSRLQMFANNHDQEFDPKVPVPPVPAEKRPPI RVLSLFDGIATGLLVKDLGIQVDRIASEVCEDSITVGMVRHQGKIMYVGDVRSVTQKHIQEWGPFDLV IGGSPCNDLSIVNPARKGLYEGTGRLLFFEFYRLLHDARPKEGDDRPFFWLFENVVAMGVSDKRDISRFL SNPVMIDAKEVSAHRARYFWGNLPGMNRPLASTVNDKLELQECLEHGRIAKFSKVRTITTRSNSIKQGGK DQHFPVFMNEKEDILWCTEMERVFVGFVHYTDVSNMSRLARQRLGRSWSVPVIRHLFAPLKEYFACV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	102.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C after receiving vials.
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:	<u>NP_031898</u>
Locus ID:	13435
UniProt ID:	<u>O88508</u>
RefSeq Size:	9735
Cytogenetics:	12 A1.1
RefSeq ORF:	2724
Synonyms:	MmullIA
Summary:	This is one of two related genes encoding de novo DNA methyltransferases, which are responsible for the establishment of DNA methylation patterns in embryos. Loss of function of this gene causes developmental defects in multiple different organ systems. There is a pseudogene for this gene located on chromosome 3. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Nov 2012]