

Product datasheet for TP303647M

SETDB1 (NM_012432) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens SET domain, bifurcated 1 (SETDB1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203647 protein sequence Red=Cloning site Green=Tags(s)

MSSLPGCIGLDAATATVESEEIAELQQAWVEELGISMEELRHFIDEELEKMDCVQQRKKQLAELETWWIQ
KESEVAHVVDQLFDDASRAVTNCESLVKDFYSKLGQLYRDSSEDESSRPTETIIEIPDEDDDDVLSIDSGDA
GSRTPKDQKLREAMAALRKAQDVQKFMDAVNKKSSSQDLHKGTLQMSGELSKDGLIVSMRILGKKRT
KTWHKGTLIAIQTVGPGKKYKVKFDNKGKSLLSGNHAIYDYHPPADKLYVGSRVVAKYKDGNGVWLYAGI
VAETPNVKNKLRFLIFFDDGYASYVTQSELYPICRPLKKTWEDIEDISCRDFIEEYVTAYPNRPMVLLKS
GQLIKTEWEGTWWKSRVEEVDGSLVRILFLDDKRCEWIYRGSTRLEPMFMSMKTSSASALEKKQGQLRTRP
NMGAVRSKGPVVQYTQDLTGTGTQFKPVEPPQPTAPPAPPFPAPPLSPQAGDSDLESQLAQSRKQVAKK
STFRPGSVGSGHSSSTSPALSENVS GGKPGINQTYRSPLGSTASAPAPSALPAPPAPPV FHGMLERAPA
EPSYRAPMEKLFYLP HVCSYTCLSRVRPMRNEQYRGKNPLL VPLL YDFRRMTARRRVNRKMGFHVYKTP
CGLCLRTMQEIERYLFETGCDLFLFLEMFLDPYVLVDRKFQPYKPFYILDITYGKEDVPLSCVNEIDTT
PPPQVAYSKERIPGKGVFINTGPEFLVGCDCCKDGCRDKSKCACHQLTIQATACTPGGQINPNSGYQYKRL
EECLPTGVYECNKRCKCDPNMCTNRLVQHGLQVRLQLFKTQNKGWGIRCLDDIAKGSFVCIYAGKILTDD
FADKEGLEMGDEYFANLDHIESVENFKEGYESDAPCSSDSSGVDLKDQEDGNSGTEDPEESNDSSDDNF
CKDEDFSTSSVWRSYATRRQTRGQKENGLETTSKDSHPPDLGPPHIPVPPSIPVGGCNPSPSEETPKNK
VASWLS CNSVSEGGFADSDSHSSFKTNEGGEGRAGGSRMEAEKASTSGLGIKDEGDIKQAKKEDTDDRNK
MSVWTESSRNYGYNPSPVKPEGLRRPPSKTSMHQSRRLMASAQSNPDDVLTLSSTESEGESGTSRKPTA
GQTSATAVDSDDIQTISSGSEGDDFEDKKNMTGPMKRQVAVKSTRGFALKSTHGAIAKSTNMASVDKGES
APVRKNTRQFYDGEESCYIIDAKLEGNLGRYLNHSCSPNLFVQNVFVDTHDLRFPWVAFFASKIRAGTEL
TWDYNYEVGSVEGKELLCCCGAIECRGRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

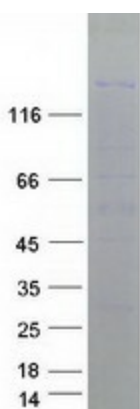
Tag:	C-Myc/DDK
Predicted MW:	142.8 kDa



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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
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_036564
Locus ID:	9869
UniProt ID:	Q15047
RefSeq Size:	4446
Cytogenetics:	1q21.3
RefSeq ORF:	3870
Synonyms:	ESET; H3-K9-HMTase4; KG1T; KMT1E; TDRD21
Summary:	This gene encodes a histone methyltransferase which regulates histone methylation, gene silencing, and transcriptional repression. This gene has been identified as a target for treatment in Huntington Disease, given that gene silencing and transcription dysfunction likely play a role in the disease pathogenesis. Alternatively spliced transcript variants of this gene have been described.[provided by RefSeq, Jun 2011]
Protein Families:	Druggable Genome
Protein Pathways:	Lysine degradation

Product images:



Coomassie blue staining of purified SETDB1 protein (Cat# [TP303647]). The protein was produced from HEK293T cells transfected with SETDB1 cDNA clone (Cat# [RC203647]) using MegaTran 2.0 (Cat# [TT210002]).