

Product datasheet for TP326620

SETDB1 (NM_001145415) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human SET domain, bifurcated 1 (SETDB1), transcript variant 1, 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC226620 representing NM_001145415
Red=Cloning site Green=Tags(s)

MSSLPGCIGLDAATATVESEEIAELQQAVVEELGISMEELRHFIDEELEKMDCVQQRKKQLAELETWVIQ
 KESEVAHVDQLFDDASRAVTNCESLVKDFYSKLGQLQYRDSSEDESSRPTIEIIPDEDDDDVLSIDSGDA
 GSRTPKDQKLREAMAALRKSADVQKFMDAVNKKSSSQDLHKGTLQMSGELSKDGLIVSMRILGKKRT
 KTWHLGTLIAIQTVGPGKKYKVKFDNKGKSLSGNHAIYDYHPPADKLYVGSRVVAKYKDGNGVWLYAGI
 VAETPNVKNKLRFLIFFDDGYASYVTQSELYPICRPLKKTWEDIEDISCRDFIEEYVTAYPNRPMVLLKS
 GQLIKTEWEGTWWKSRVEEVDGSLVRILFLDDKRCEWIYRGSTRLEPMFSMKTSSASALEKKQGQLRTRP
 NMGAVRSKGPVVQYTQDLTGTGTQFKPVEPPQPTAPPAPPFPAPPLSPQAGSDLESQLAQSRKQVAKK
 STSFRPGSVGSGHSSPTSPALSENVS GGKPGINQTYRSPLGSTASAPAPSALPAPPAPPVFHGMLEPAPA
 EPSYRAPMEKLFYLPVCSYTCLSRVRPMRNEQYRGKNPLLPLLYDFRRMTARRRVNRKMGFHVYIKTP
 CGLCLRTMQEIERYLFETGCDLFLFEMFCLDPYVLVDRKFQYKPFYIILDITYGKEDVPLSCVNEIDTT
 PPPQVAYSKERIPGKGVFINTGPEFLVGCDCCKDGCRDKSKCACHQLTIQATACTPGGQINPNSGYQYKRL
 EECLPTGVYECNKRCKDPNMCTNRLVQHGLQVRLQLFKTQNKGWGIRCLDDIAKGSFVCIYAGKILTDD
 FADKEGLEMGDEYFANLDHIESVENFKEGYESDAPCSSDSSGVDLKDQEDGNSGTEDPEESNDSSDDNF
 CKDEDFSTSSVWRSYATRRQTRGQKENGLETTSKDSHPPDLGPPHIPVPPSIPVGGCNPPSSEETPKNK
 VASWLS CNSVSEGGFADSDSHSSFKTNEGGEGRAGGSRMEAEKASTSGLGIKDEGDIKQAKKEDTDDRNK
 MSVVTSSRNYGYNPSPVKPEGLRRPPSKTSMHQSRRLMASAQSNPDDVLTLSSTESEGESGTSRKPTA
 GQTSATAVDSDDIQTISGSEGDDFEDKKNMTGPMKRQVAVKSTRGFALKSTHGAIAKSTNMASVDKGES
 APVRKNTRQFYDGEESCYIIDAKLEGNLGRYLNHSCSPNLFVQNVFVDTHDLRFPWVAFFASKRIRAGTE
 LTWDYNYEVGSVEGKELLCCCGAIECRGRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

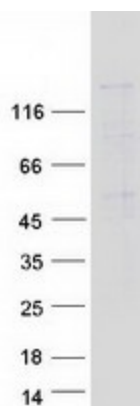
Tag: C-Myc/DDK
Predicted MW: 143 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method



[View online »](#)

Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Enzyme substrate (PMID: 29153392)
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_001138887
Locus ID:	9869
UniProt ID:	Q15047
Cytogenetics:	1q21.3
RefSeq ORF:	3873
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# TP326620). The protein was produced from HEK293T cells transfected with SETDB1 cDNA clone (Cat# [RC226620]) using MegaTran 2.0 (Cat# [TT210002]).