

## Product datasheet for TP303647

### 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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203647 protein sequence Red=Cloning site Green=Tags(s)

MSSLPGCIGLDAATATVESEEIAELQQAWVEELGISMEELRHFIDEELEKMDCVQQRKKQLAELETWVIQ  
KESEVAHVDQLFDDASRAVTNCESLVKDFYSKLGQLYRDSSEDESSRPTETIIEIPDEDDDDVLSIDSGDA  
GSRTPKDQKLREAMAALRKAQDVQKFMDAVNKKSSSQDLHKGTLQMSGELSKDGLIVSMRILGKKRT  
KTWHKGTLIAIQTVGPGKKYKVKFDNKGKSLLSGNHAIYDYHPPADKLYVGSRVVAKYKDGNGVWLYAGI  
VAETPNVKNKLRFLIFFDDGYASYVTQSELYPICRPLKKTWEDIEDISCRDFIEEYVTAYPNRPMVLLKS  
GQLIKTEWEGTWWKSRVEEVDGSLVRILFLDDKRCEWIYRGSTRLEPMFMSMKTSSASALEKKQGQLRTRP  
NMGAVRSKGPVVQYTQDLTGTGTQFKPVEPPQPTAPPAPPFPAPPLSPQAGDSDLESQLAQSRKQVAKK  
STFRPGSVGSGHSSSTSPALSENVS GGKPGINQTYRSPLGSTASAPAPSALPAPPAPPVFHGMLEPAPA  
EPSYRAPMEKLFYLPVCSYTCLSRVRPMRNEQYRGKNPLLVLLYDFRRMTARRRVNRKMGFHVYKTP  
CGLCLRTMQEIERYL FETGCDLFLFEMFCLDPYVLVDRKFQPYKPFYILDITYGKEDVPLSCVNEIDTT  
PPPQVAYSKERIPGKGVFINTGPEFLVGCDCCKDGCRDKSKCACHQLTIQATACTPGGQINPNSGYQYKRL  
EECLPTGVYECNKRCKCDPNMCTNRLVQHGLQVRLQLFKTQNKGWGIRCLDDIAKGSFVCIYAGKILTDD  
FADKEGLEMGDEYFANLDHIESVENFKEGYESDAPCSSDSSGVDLKDQEDGNSGTEDPEESNDSSDDNF  
CKDEDFSTSSVWRSYATRRQTRGQKENGLETTSKDSHPPDLGPPHIPVPPSIPVGGCNPSSSEETPKNK  
VASWLS CNSVSEGGFADSDSHSSFKTNEGGEGRAGGSRMEAEKASTSGLGIKDEGDIKQAKKEDTDDRNK  
MSVWTESSRNYGYNPSPVKPEGLRRPPSKTSMHQSRRLMASAQSNPDDVLTLSSTESEGESGTSRKPTA  
GQTSATAVDSDDIQTISSGSEGDDFEDKKNMTGPMKRQVAVKSTRGFALKSTHGAIAKSTNMAVSDKGES  
APVRKNTRQFYDGEESCYIIDAKLEGNLGRYLNHSCSPNLFVQNVFVDTHDLRFPWVAFFASKIRAGTEL  
TWDYNYEVGSVEGKELLCCCGAIECRGRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

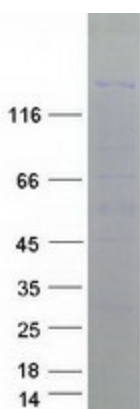
Tag:	C-Myc/DDK
Predicted MW:	142.8 kDa



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<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<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_036564</a>
<b>Locus ID:</b>	9869
<b>UniProt ID:</b>	<a href="#">Q15047</a>
<b>RefSeq Size:</b>	4446
<b>Cytogenetics:</b>	1q21.3
<b>RefSeq ORF:</b>	3870
<b>Synonyms:</b>	ESET; H3-K9-HMTase4; KG1T; KMT1E; TDRD21
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).