

## Product datasheet for PH303647

### SETDB1 (NM\_012432) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SETDB1 MS Standard C13 and N15-labeled recombinant protein (NP_036564)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203647
Predicted MW:	143 kDa
Protein Sequence:	>RC203647 protein sequence Red=Cloning site Green=Tags(s)

MSSLPGCIGLDAATATVESEEIAELQQAVVEELGISMEELRHFIDEELEKMDCVQQRKKQLAELETWVIQ  
KESEVAHVVDQLFDDASRAVTNCESLVKDFYSKLGQYRDSSEDESSRPTEIIEIPDEDDVLSIDSGDA  
GSRTPKDQKLREAMAALRKSAQDVQKFMADVNNKSSSQDLHGKGLSQMSGELSKDGDLLIVSMRILGKKRT  
KTWHKGLTIAIQTGPGKYYKVKFDNKGKSLLSGNHIAVDYHPPADKLYVGSRVVAKYKDGNDQVWLYAGI  
VAETPNVKNKLRFLIFFDDGYASYVTQSELYPICRPLKKTWEDIEDISCRDFIEEYVTAYPNRPMVLLKS  
GQLIKTEWEGTWWKSRVEEVDGSLVRILFLDDKRCEWIYRGSTRLEPMFSMKTSSASALEKKQGQLRTRP  
NMGAVRSKGPVVQYTQDLTGTGTQFKPVEPPQPTAPPAPPFPAPPLSPQAGSDLESQLAQSRKQVAKK  
STSFRRPGSVGSGHSSSTSPALSENVSGGKPGINQTYRSPLGSTASAPAPSALPAPPAPPVHGMLETERAPA  
EPSYRAPMEKLFYLPVCSYTCLSRVPRMRNEQYRGKNPLLVLPLLYDFRRMTARRRVNRKMGFHVYKTP  
CGLCLRTMQEIERYL FETGCDFLFLEMFCCLDPYVLDVRKFPQYKPFYIILDITYKEDVPLSCVNEIDTT  
PPPQVAYSKERIPGKGVFINTGPEFLVGCDCCKDGRDKSKCACHQLTIQATACTPGGQINPNSGYQYKRL  
EECLPTGVYECNKRCCKDPNMCTNRLVQHGLQVRLQLFKTQNKGWGIRCLDDIAKGSFVCIYAGKILTDD  
FADKEGLEMGDEYFANLDHIESVENFKEGYESDAPCSSDSSGVDLKDQEDGNSGTEDPEESNDDSSDDNF  
CKDEDFSTSSVWRSYATRQTRGQKENGLETTSKDSHPDLGPPHIPVPPSIPVGGCNPSSSEETPKNK  
VASWLSNSVSEGGFADSDSHSSFKTNEGGEGRAGGSRMEA EKASTSGLGIKDEGDIKQAKKEDTDDRNK  
MSVVTESRNYGYNPSPVKPEGLRRPPSKTSMHQSRRLMASAQNPDVLTLSSTSEGESGTSRKPTA  
GQTSATAVDSDDIQTISSGSEGGDFEDKKNMTGPMKRQVAVKSTRGFALKSTHGIKSTNMASVDKGES  
APVRKNTRQFYDGEESCYIIDAKLEGNLGRYLNHSCSPNLFVQNVFVDTHDLRFPWVAFFASKIRAGTEL  
TWDYNYEVGSVEGKELLCCCGAIECRGRL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

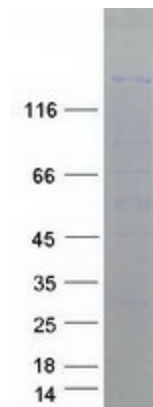
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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<b>Labeling Method:</b>	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3
<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_036564</a>
<b>RefSeq Size:</b>	4446
<b>RefSeq ORF:</b>	3870
<b>Synonyms:</b>	ESET; H3-K9-HMTase4; KG1T; KMT1E; TDRD21
<b>Locus ID:</b>	9869
<b>UniProt ID:</b>	<a href="#">Q15047</a>
<b>Cytogenetics:</b>	1q21.3
<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]).