

Recombinant Human SETDB1 protein, His-tagged

Cat. No. SETDB1-3204H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SETDB1 protein(1-350 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-350 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MSSLPGCIGLDAATATVESEEIAELQQAVVEELGISMEELRHFIDEEEKMDCVQQRK KQLAELETWVIQKESEVAHVVDQLFDDASRAVTNCESLVKDFYSKLGLQYRDSSSED ESSRPTEIIEIPDEDDVLSIDSGDAGSRTPKDQKLREAMAALRKSAQDVQKFMDAV NKKSSSQDLHKGTLSQMSGELSKDGLIVSMRILGKKRTKTWHKGTIAIQTVGPGK KYKVKFDNKGKSLLSGNHIAIDYHPPADKLYVGSRVVAKYKDG NQVWLYAGIVAET PNVKNKLRLFIFFDDGYASYVTQSELYPICRPLKKTWEDIEDISCRDFIEEYVTAYPNR PMVLLKS
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name SETDB1 SET domain, bifurcated 1 [Homo sapiens]

Official Symbol SETDB1

Synonyms SETDB1; SET domain, bifurcated 1; histone-lysine N-methyltransferase SETDB1; ESET; KG1T; KIAA0067; KMT1E; H3-K9-HMTase 4; lysine N-methyltransferase 1E; histone H3-K9 methyltransferase 4; ERG-associated protein with SET domain; ERG-associated protein with a SET domain, ESET; histone-lysine N-methyltransferase, H3lysine-9 specific 4; H3-K9-HMTase4;

Gene ID 9869

mRNA Refseq NM_001145415

Protein Refseq NP_001138887

MIM 604396

UniProt ID Q15047

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