

Recombinant Human DNMT1 protein, His-tagged

Cat. No. DNMT1-2633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNMT1 protein(1288-1632 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1288-1632 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	VSEKRSMLVLTLRCLVRMGYQCTFGVLQAGQYGVAQTRRRAILAAAPGEKLPLFP EPLHVFAPRACQLSVVDDKKFVSNITRLSSGPFRTITVRDTMSDLPEVRNGASALEI SYNGEPQSWFQRQLRGAQYQPILRDHICKDMSALVAARMRHIPLAPGSDWRDLPLNI EVRLSDGTMARKLRYTHHDRKNGRSSSGALRGVCSCVEAGKACDPAARQFNTLIP WCLPHTGNRHNHWAGLYGRLEWDGFFSTTVTNPEPMGKQGRVLHPEQHRVSVR ECARSQGFPDITYRLFGNILDKHRQVGNAVPPPLAKAIGLEIKLCMLAKARESASAKIK EEEEAKD
Purity	95%, 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

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

Reconstitution

Reconstitute at 0.25 g/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 DNMT1 DNA (cytosine-5-)-methyltransferase 1 [Homo sapiens]

Official Symbol DNMT1

Synonyms DNMT1; DNA (cytosine-5-)-methyltransferase 1; DNMT; DNA (cytosine-5)-methyltransferase 1; CXXC9; MCMT; m.Hsal; DNA MTase Hsal; CXXC finger protein 9; DNA methyltransferase 1; DNA methyltransferase Hsal; CXXC-type zinc finger protein 9; AIM; HSN1E; FLJ16293; MGC104992;

Gene ID 1786

mRNA Refseq NM_001130823

Protein Refseq NP_001124295

MIM 126375

UniProt ID P26358

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