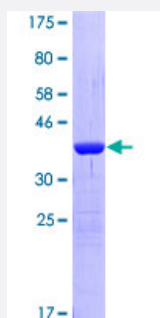


DNMT1 (Human) Recombinant Protein (Q01)

Catalog # H00001786-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DNMT1 partial ORF (NP_001370, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPARTAPARVPTLAVPAISLPDDVRRRLKDLERDSLTEKECVKEKLNLLHEFLQTEIKNQLCDLET KLRKEELSEEGYLAKVKSLNKDLSLENGAHAYNREVNGRLENG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DNMT1

Entrez GeneID [1786](#)

GeneBank Accession# [NM_001379](#)

Protein Accession# [NP_001370](#)

Gene Name DNMT1

Gene Alias AIM, CXXC9, DNMT, FLJ16293, MCMT, MGC104992

Gene Description DNA (cytosine-5-)-methyltransferase 1

Omim ID [126375](#)

Gene Ontology [Hyperlink](#)

Gene Summary DNA (cytosine-5-)-methyltransferase 1 has a role in the establishment and regulation of tissue-specific patterns of methylated cytosine residues. Aberrant methylation patterns are associated with certain human tumors and developmental abnormalities. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations CXXC finger protein 9|DNA methyltransferase 1

Pathway

- [Cysteine and methionine metabolism](#)
- [Metabolic pathways](#)

Disease

- [Arsenic Poisoning](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [Cues](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Satiety Response](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)