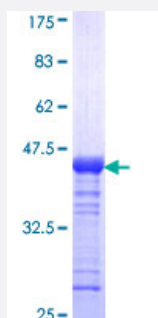


EHMT1 (Human) Recombinant Protein (Q01)

Catalog # H00079813-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EHMT1 partial ORF (NP_079033, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAADEGSAEKQAGEAHMAADGETNGSCENS DASSHANA AKHTQDSARVNPQDGTNTL TRIAEN GVSERDSEAAKQNHVTADDFVQTSVIGSNGYILNKPA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (84); Rat (81)
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 — EHMT1

Entrez GeneID	79813
GeneBank Accession#	NM_024757
Protein Accession#	NP_079033
Gene Name	EHMT1
Gene Alias	DEL9q34, DKFZp667M072, EUHMTASE1, Eu-HMTase1, FLJ12879, FP13812, GLP, KIAA1876, KMT1D, bA188C12.1
Gene Description	euchromatic histone-lysine N-methyltransferase 1
Omim ID	607001 610253
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a histone methyltransferase that is part of the E2F6 complex, which represses transcription. The encoded protein methylates the Lys-9 position of histone H3, which tags it for transcriptional repression. This protein may be involved in the silencing of MYC- and E2F-responsive genes and therefore could play a role in the G0/G1 cell cycle transition. Defects in this gene are a cause of chromosome 9q subtelomeric deletion syndrome (9q-syndrome). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	G9a like protein OTTHUMP00000022711 euchromatic histone methyltransferase 1

Pathway

- [Lysine degradation](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Microsatellite Instability](#)
- [Neoplasm Invasiveness](#)
- [Tobacco Use Disorder](#)