

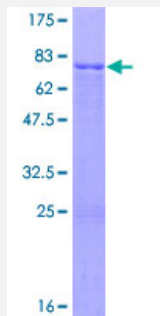
Full-Length

SUV39H1 (Human) Recombinant Protein (P01)

Catalog # H00006839-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SUV39H1 full-length ORF (AAH06238.1, 1 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAENLKGCSVCCKSSWNQLQDLCLAKLSCPALGISKRNLDFEVEYLCDYKKIREQEYYLVKW
RGYPDSESTWEPRQNLKCVRLKQFHKDLERELLRRHRSKTPRHLDPSLANYLVQKAKQRRAL
RRWEQELNAKRSHLGRITVENEVDLDGPPRAFYINEYRVGEGITLNQVAVGCECQDCLWAPTG
GCCPGASLHKFAYNDQGGVRLRAGLPYECNSRCRCGYDCPNRVVQKGIRYDLCIFRTDDGRGW
GVRTLEKIRKNSFVMEYVGEITSEEAEERRGQMYDRQGATYLFDLDYVEDVYTVDAAYYGNISHFVNH
SCDPNLQVYNVFDNLDERLPRIAFFATRITRAGEELTFDYNMQVDPVDMESTRMDSNFGLAGLP
GSPKKRVRIECKCGTESCRKYL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.3

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 — SUV39H1

Entrez GeneID [6839](#)

GeneBank Accession# [BC006238.2](#)

Protein Accession# [AAH06238.1](#)

Gene Name SUV39H1

Gene Alias KMT1A, MG44, SUV39H

Gene Description suppressor of variegation 3-9 homolog 1 (Drosophila)

Omim ID [300254](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the suppressor of variegation 3-9 homolog family and encodes a protein with a chromodomain and a C-terminal SET domain. This nuclear protein moves to the centromeres during mitosis and functions as a histone methyltransferase, methylating Lys-9 of histone H3. Overall, it plays a vital role in heterochromatin organization, chromosome segregation, and mitotic progression. [provided by RefSeq]

Other Designations H3-K9-HMTase 1|OTTHUMP00000024298|Su(var)3-9 homolog 1|histone H3-K9 methyltransferase 1|histone-lysine N-methyltransferase, H3 lysine-9 specific 1|suppressor of variegation 3-9 homolog 1

Pathway

- [Lysine degradation](#)