

SETD2 recombinant protein

SETD2 (KMT3A), Active

CATALOG # AAA73130	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
------------------------------	---	--

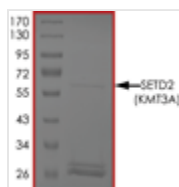
PRODUCT SYNONYMS

SETD2; SETD2 (KMT3A); Active; SETD2 recombinant protein

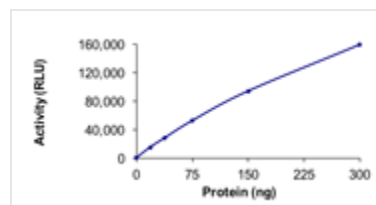
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	1425-1717
Sequence Length	8452
Applicable Applications for SETD2 recombinant protein	Methyltransferase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for SETD2 recombinant protein	Description: Recombinant human SETD2 (1425-1717) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: As a member of the mixed lineage leukemia (MLL) family of histone methyltransferase, SETD2 specifically tri-methylates 'Lys-36' of histone H3 (H3K36me3) using dimethylated 'Lys-36' (H3K36me2) as substrate. The main enzyme generating H3K36me3, a specific tag for epigenetic transcriptional activation.
Product Categories/Family for SETD2 recombinant protein	Enzymes; Active Methyltransferases
References	1. Li Y, et al: Structural basis for activity regulation of MLL family methyltransferases. Nature. 530 (7591):447-52. 2016 2. http://www.uniprot.org/uniprot/Q9BYW2

NCBI AND UNIPROT INFORMATION

NCBI GI #	197313747
NCBI GeneID	29072
NCBI Accession #	NM_014159.6
NCBI GenBank Nucleotide #	NM_014159
UniProt Accession #	Q9BYW2; O75397; O75405; Q17RW8; Q5BKS9; Q5QGN2; Q69YI5; Q6IN64; Q6ZN53; Q6ZS25; Q8N3R0; Q8TCN0
Molecular Weight	61 kDa
NCBI Official Full Name	Homo sapiens SET domain containing 2 (SETD2), transcript variant 1, mRNA
NCBI Official Synonym Full Names	SET domain containing 2
NCBI Official Symbol	SETD2
NCBI Official Synonym Symbols	LLS; HYPB; SET2; HIF-1; HIP-1; KMT3A; HBP231; HSPC069; p231HBP
NCBI Protein Information	histone-lysine N-methyltransferase SETD2
UniProt Protein Name	Histone-lysine N-methyltransferase SETD2
UniProt Gene Name	SETD2
UniProt Synonym Gene Names	HIF1; HYPB; KIAA1732; KMT3A; SET2; HIP-1; hSET2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/setd2-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/73130>