

SETD1A-SET recombinant protein

Recombinant SETD1A-SET complex

CATALOG #
AAA60222

HOST
Baculovirus

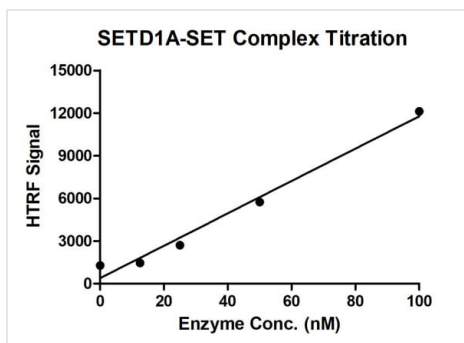
PRODUCT SYNONYMS

SETD1A-SET; Recombinant SETD1A-SET complex; Histone-lysine N-methyltransferase SETD1A; KMT2F; SETD1A-SET recombinant protein

PRODUCT SPECIFICATIONS

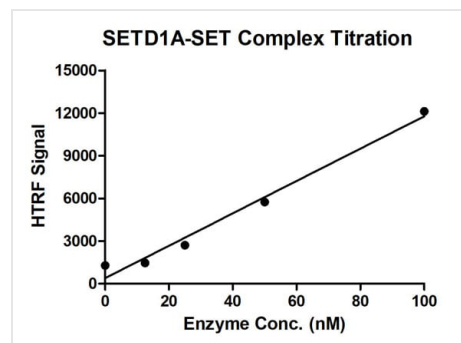
Host	Baculovirus
Form/Format	Recombinant SETD1A-SET Complex is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5mM TCEP.
Protein Species	Human
Notes	This complex is suitable for use in protein-protein interaction, in vitro transcription assay, binding assays.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



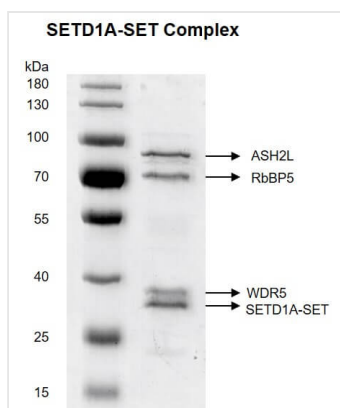
Application Data

HTRF assay for SETD1A-SET Complex activity 1 uM H3 (1-21) was incubated with different concentrations of SETD1A-SET Complex in a 10 ul reaction system containing 50 mM Tris-HCl pH 8.6, 0.02% Triton X-100, 2 mM MgCl₂, 1 mM TCEP and 100 uM SAM for 2 hour, then 10 ul H3K4me2 antibody and SA-XL665 mixture (1:100 dilution in the same buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection



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SDS-PAGE

Recombinant SETD1A-SET Complex 10% SDS-PAGE with Coomassie blue staining MW of SETD1A-SET: 35.2 kDa WDR5 of 36.6 kDa RBBP5 of 59.2 kDa ASH2L of 68.7 kDa Purity: >95%

ADDITIONAL INFORMATION

Related Product Information for SETD1A-SET recombinant protein

Short Description: SETD1A (SET Domain Containing 1A, Histone Lysine Methyltransferase) is a component of a histone methyltransferase (HMT) complex (contain SETD1A-SET ASH2L, RBBP5, WDR5) that produces mono-, di-, and trimethylated histone H3 at Lys4, but not if the neighboring 'Lys-9' residue is already methylated. Trimethylation of histone H3 at lysine 4 (H3K4me3) is a chromatin modification known to generally mark the transcription start sites of active genes. The protein contains SET domains, a RNA recognition motif domain and is a member of the class V-like SAM-binding methyltransferase superfamily. This complex is suitable for use in protein-protein interaction, in vitro transcription assay, binding assays.

Background: SETD1A (SET Domain Containing 1A, Histone Lysine Methyltransferase) is a component of a histone methyltransferase (HMT) complex (contain SETD1A-SET ASH2L, RBBP5, WDR5) that produces mono-, di-, and trimethylated histone H3 at Lys4, but not if the neighboring 'Lys-9' residue is already methylated. Trimethylation of histone H3 at lysine 4 (H3K4me3) is a chromatin modification known to generally mark the transcription start sites of active genes. The protein contains SET domains, a RNA recognition motif domain and is a member of the class V-like SAM-binding methyltransferase superfamily.

Product Categories/Family for SETD1A-SET recombinant protein

[Recombinant Proteins](#); [Histone Methyltransferase \(HMT\)](#); [Transcription](#)

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.

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Online datasheet: <https://stage.aaabiotech.com/setd1a-set-recombinant-protein-baculovirus/60222>