

SETD6 recombinant protein

Recombinant SETD6 protein

CATALOG #
AAA60205

HOST
Baculovirus

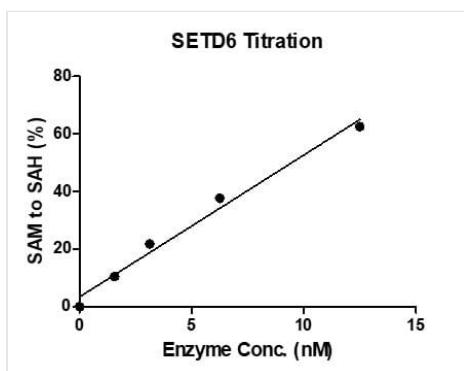
PRODUCT SYNONYMS

SETD6; Recombinant SETD6 protein; SET Domain Containing 6; Protein Lysine Methyltransferase; N-Lysine Methyltransferase SETD6; EC 2.1.1; SETD6 recombinant protein

PRODUCT SPECIFICATIONS

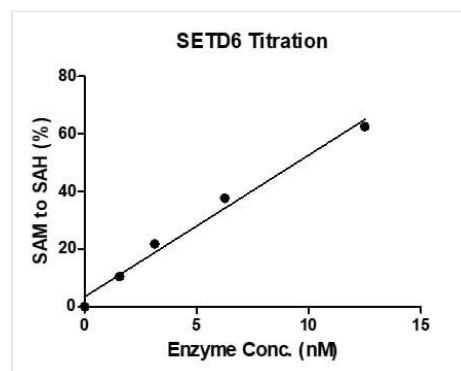
Host	Baculovirus
Form/Format	Recombinant SETD6 protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag, His-Tag
Notes	Recombinant SETD6 protein is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling.
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



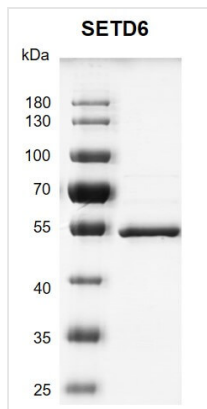
Application Data

MTase-Glo Assay for Recombinant SETD6 protein methyltransferase activity 1 μ M substrate peptide and 1 μ M SAM were incubated with different concentrations of recombinant SETD6 protein in an 8 μ l reaction system containing 50 mM Tris-HCl pH 8.6, 0.02% Triton X-100, 2 mM $MgCl_2$, 1 mM TCEP for 1 hr. 5 $\times$ MTase-Glo Reagent was added to the products and incubated for 30 min. Then MTase-Glo Detection was added and luminescence was read after another 30 min incubation. SAH standard curve (0-1 μ M) was performed following the same protocol



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SDS-PAGE

Recombinant SETD6 protein gel 10% SDS-PAGE with Coomassie staining. MW: 52.1 kDa
Purity: >90%

ADDITIONAL INFORMATION

Related Product Information for SETD6 recombinant protein

Short Description: Full-length human SETD6 protein (accession number NP_079136.2) was expressed in a baculovirus expression system and contains an N-terminal DYKDDDDK tag. The molecular weight of SETD6 is 52.1 kDa. Recombinant SETD6 protein is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling.

Background: SETD6 (SET Domain Containing 6, Protein Lysine Methyltransferase) is a member of SETD family, which has methyltransferase activity. This protein was reported to monomethylate 'Lys-8' of histone H2AZ, which is involved in nuclear receptor-dependent transcription. SETD6 was also reported to monomethylates 'Lys-310' of the RELA subunit of NF kappa-B complex, leading to down-regulate NF-kappa-B transcription factor activity. It may interact with several endogenous proteins which are involved in nuclear hormone receptor signaling. However, the real substrates remain unknown for a very long time.

Product Categories/Family for SETD6 recombinant protein

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

NCBI AND UNIPROT INFORMATION

Molecular Weight

Molecular weight of SETD6 is 52.1kDa

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/setd6-recombinant-protein-baculovirus/60205>