Datasheet for ABIN2669663

SETD2 Protein (DYKDDDDK Tag)

1 Image

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Overview

Quantity:	20 µg
Target:	SETD2
Origin:	Human
Source:	Baculovirus
Protein Type:	Recombinant
Purification tag / Conjugate:	This SETD2 protein is labelled with DYKDDDDK Tag.
Application:	Enzyme Activity Assay (EAA), Screening Assay (ScA)

Product Details

Characteristics:	Recombinant SETD2 (1392-2564) (accession number NP_054878.5) was expressed in Sf9 cells and contains an N-terminal FLAG tag with an observed molecular weight of 134 kDa.

Target Details

Target:	SETD2
Alternative Name:	SETD2 (SETD2 Products)
Background:	SETD2 (SET Domain Containing 2) is a histone methyltransferase that methylates histone H3 at lysine 36. H3K36 methylation is associated with active chromatin. SETD2 also contains a novel transcriptional activation domain and has been found associated with hyperphosphorylated RNA pol II. Recombinant SETD2 (1392-2564) includes amino acids 1392-2564 that contains the SET domain of SETD2 that catalyzes methylation of lysine residues.
Molecular Weight:	134 kDa

Target Details

Pathways:	Tube Formation

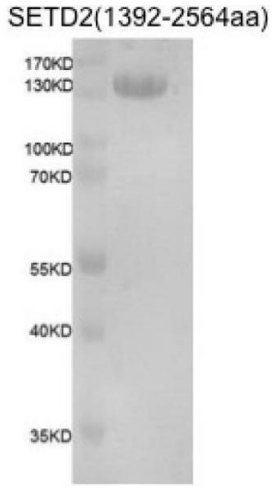
Application Details

Application Notes:	Recombinant SETD2 (1392-2564) is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling. Specific Activity: H3K36 methyltransferase. HMT Assay Conditions: 50 mM TrisCl, pH 8.6, 0.02 % Triton X-100, 2 mM MgCl2, 1 mM TCEP, 100 µM SAM, 30 ng/µl Recombinant Nucleosomes, 30 ng/µl Recombinant SETD2 (1392-2564) at 2 hours at room temperature. Activity was detected by fluorography.
Restrictions:	For Research Use only

Handling

Handling Advice:	Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Storage:	-80 °C
Storage Comment:	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation.

Images



Western Blotting

Image 1. Recombinant SETD2 (1392-2564) protein gel. SETD2 (1392-2564) protein was run on a 10% SDS-PAGE gel and stained with Coomassie blue.

