

Datasheet for ABIN2669667

SMYD1 Protein (DYKDDDDK Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	20 µg
Target:	SMYD1
Origin:	Human
Source:	Baculovirus
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMYD1 protein is labelled with DYKDDDDK Tag.
Application:	Enzyme Activity Assay (EAA), Screening Assay (ScA)

Product Details

Characteristics:	Recombinant SMYD1 (accession number NP_938015.1) was expressed in Sf9 cells and contains an N-terminal FLAG tag with an observed molecular weight of 58.3 kDa.
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Target Details

Target:	SMYD1
Alternative Name:	SMYD1 (SMYD1 Products)
Background:	SET and MYND domain-containing protein 1 (SMYD1) is a member of the SMYD family of histone methyltransferases that possesses H3K4 methyltransferase activity. It has also been shown to act as a transcriptional repressor. Studies suggest that SMYD1 may play a critical role in cardiomyocyte differentiation and cardiac morphogenesis and that it also may have a function in skeletal muscle development.
Molecular Weight:	58.3 kDa

Target Details

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Recombinant SMYD1 is suitable for use in the study of enzyme kinetics, inhibitor screening, and selectivity profiling. Specific Activity: Not known. May methylate non-histone substrates.

Restrictions: For Research Use only

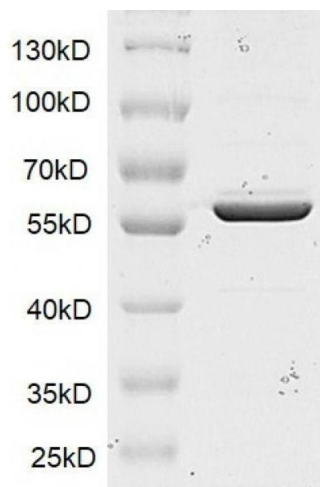
Handling

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 SMYD1 protein gel. SMYD1 protein was run on an SDS-PAGE gel and stained with Coomassie blue.