

Datasheet for ABIN934910

SET7/9 Protein[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	SET7/9
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MDSDDDEMVEE AVEGHLDDDG LPHGFCTVTY SSTDRFEGNF VHGEKNGRGK FFFFDGSTLE
GYYVDDALQG QGVYTYEDGG VLQGTYVDGE LNGPAQEYDT DGRLIFKGQY KDNIRHGVCW
IYYPDGGSLV GEVNEDGEMT GEKIAYVYPD ERTALYGKFI DGEMIEGKLA TLMSTEEGRP
HFELMPGNSV YHFDKSTSSC ISTNALLPDP YESERVYVAE SLISSAGEGL FSKVAVGPNT
VMSFYNGVRI THQEVDSRDW ALNGNTLSLD EETVIDVPEP YNHVSKYCAS LGHKANHSFT
PNCIYDMFVH PRFGPIKCIR TLRAVEADEE LTVAYGYDHS PPGKSGPEAP EWYQVELKAF
QATQQK

Characteristics: Purified recombinant Human SET7/9 protein
Expression System: E.coli
Molecular weight on SDS-PAGE will appear higher.

Purity: > 95 % pure

Endotoxin Level: < 1.0 EU per µg of protein (determined by LAL method)

Target Details

Target: SET7/9

Alternative Name: SET7/9 ([SET7/9 Products](#))

Background: Set 7/9 is a histone methyltransferase (HMTase) that transfers methyl groups to Lys4 of histone H3, in complex with S-adenosyl-L-methionine (AdoMet). The methylation of lysine residues of histones plays a critical role in the regulation of chromatin structure and gene expression. Acetylation, phosphorylation and methylation of the amino-terminal tails of histone are thought to be involved in the regulation of chromatin structure and function. The enzymes identified in the methylation of specific lysine residue on histones belong to the SET family with just one exception. Set7/9, unlike most other SET proteins, is exclusively a mono-methylase.

Alternative Names: EC 2.1.1.43 protein, SET-7 + SET-9, SET domain-containing protein 7 protein, SET7 + SET9, SET-7 + SET-9 protein, Histone H4-K4 methyltransferase protein, SET 7/9 protein, SET7 protein, SET7/9, SET7/9 protein, SET D7 protein, KIAA1717 protein, Lysine N-methyltransferase 7 protein, SET 7/9, H4 lysine-4 specific protein, SET9 protein, H3 K4 HMTase protein, Histone H3 K4 methyltransferase protein, SET 9 protein, , SET-7/9 protein, Histone H3 lysine 4 specific methyltransferase protein, SET-7/9, SET 7/9 protein, Histone H3-K4 methyltransferase SETD7 protein, SET domain-containing protein 8 protein, SET domain containing protein 7 protein, H3-K4-HMTase SETD7 protein, SET7 + SET9 protein, KMT7 protein, SETD7 protein, Histone-lysine N-methyltransferase SETD7 protein, Histone lysine N methyltransferase H3 lysine 4 specific SET7 protein, Lysine methyltransferase protein, SET domain-containing protein 7 FLJ21193 protein, Histone-lysine N-methyltransferase protein, SET7/9 Histone methyltransferase protein, SET 7 protein

Molecular Weight: 40.7 kDa (366 AA)

Application Details

Application Notes: SET7/9 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

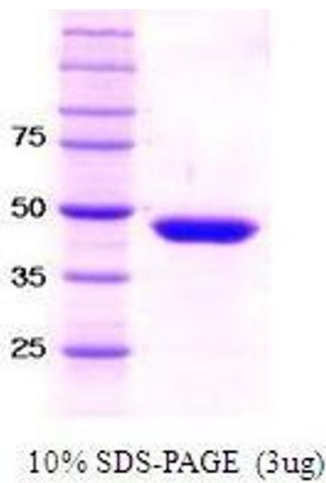
Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 50 mM Tris-HCl buffer, pH7.5, containing 0.2 M NaCl, 0 mM DTT, and 20 % glycerol.

Handling

Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C
Storage Comment:	Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.

Images



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.