Recombinant Human SETD7 Protein, His-tagged

Cat. No. SETD7-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SETD7(1-366) protein with a N-terminal His-tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-366
Description	Methylation of lysine can promote transcriptional activation or repression and is critical in regulating histone function. Lysine residues can be mono-, di-, or tri-methylated, and unlike most SET proteins, SET7/9 is exclusively a mono-methylase. SET7/9 methylates histone H3, tumor suppressor p53, and transcription factor TAF10. Recently, SET7/9 was shown to catalyze methylation of p53 in response to DNA damage thereby activating p53 for subsequent acetylation. SET7/9 is able to modulate p53 activity in a human cancer cell line, implying that it may play a significant role in human tumorigenesis.
Molecular Mass	43.3 kDa
Purity	≥95% estimated by SDS-PAGE
Stability	≥ 6 months
Storage	Store it at -80 centigrade

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Storage Buffer	50 mM HEPES, pH 7.2, 100 mM sodium chloride, and 20% glycerol

GENE INFORMATION

Gene Name	SETD7 SET domain containing 7, histone lysine methyltransferase [Homo sapiens (human)]
Official Symbol	SETD7
Synonyms	SETD7; SET domain containing 7, histone lysine methyltransferase; KMT7; SET7; SET9; SET7/9; histone-lysine N-methyltransferase SETD7; H3-K4-HMTase SETD7; SET domain containing 7, lysine methyltransferase; SET domain containing lysine methyltransferase 7; SET domain-containing protein 7; histone H3-K4 methyltransferase SETD7; histone H3-lysine 4-specific methyltransferase; lysine N-methyltransferase 7
Gene ID	80854
mRNA Refseq	NM_001306199
Protein Refseq	NP_001293128
MIM	606594
UniProt ID	Q8WTS6

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