SETD7 抗原（重组蛋白）

中文名称： SETD7 抗原（重组蛋白）

英文名称： SETD7 Antigen (Recombinant Protein)

别　名： KMT7; SET7; SET9; SET7/9

储　存： 冷冻（-20℃）

相关类别： 抗原

概　述：

Fusion protein corresponding to C terminal 250 amino acids of human SETD7

技术规格：

Full name:	SET domain containing (lysine methyltransferase) 7
Synonyms:	KMT7; SET7; SET9; SET7/9
Swissprot:	Q8WTS6
Gene Accession:	BC121055
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The methylation of histones plays a pivotal role in the regulation of chromatin structure and gene expression. Histone methylation can oc cur on Arg or Lys residues, with an exquisite site selectivity for Lys methylation at specific positions in the N-termini of histones H3 and H4. SET7/9, a histone methyltransferase (HMTase), which transfers me thyl groups to Lys4 of histone H3, forms a complex with S-adenosyl-L-methionine. This complex contains an active site consisting of a bin

	ding pocket where an AdoMet molecule in an unusual conformation binds, a narrow substrate-specific channel that only unmethylated lysine residues can access and a catalytic tyrosine residue.