

Recombinant Human SETD7

Catalog No: #GP11626



Package Size: #GP11626-1 100ug

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Description

Product Name	Recombinant Human SETD7
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 250 amino acids of human SET domain containing (lysine methyltransferase) 7
Target Name	SET domain containing (lysine methyltransferase) 7
Other Names	KMT7; SET7; SET9; SET7/9
Accession No.	Swissprot:Q8WTS6Gene Accession:BC121055
Uniprot	Q8WTS6
GenID	80854;
Storage	-20~-80°C, pH 7.6 PBS

Background

The methylation of histones plays a pivotal role in the regulation of chromatin structure and gene expression. Histone methylation can occur 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 methyl groups to Lys4 of histone H3, forms a complex with S-adenosyl-L-methionine. This complex contains an active site consisting of a binding 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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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