

## Active Recombinant Human SMYD5, FLAG-tagged

Cat. No. SMYD5-75H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Smyd5 (accession number NP_006053.2) was expressed in Sf9 cells and contains an N-terminal FLAG tag with an observed molecular weight of 49 kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	SET and MYND domain-containing protein 5 (Smyd5) is a member of the Smyd family of histone methyltransferases. Smyd5 has been reported to mediate methylation of H4K20 and may methylate non-histone substrates as well.
<b>Form</b>	20 mM Tris-HCl pH 7.4, 150 mM NaCl and 20% glycerol.
<b>Bio-activity</b>	Specifically mediates the methylation of H4K20 and may methylate non-histone substrates.
<b>Applications</b>	Enzyme kinetics, inhibitor screening, and selectivity profiling.
<b>Storage</b>	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
<b>Concentration</b>	0.3 mg/ml

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## GENE INFORMATION

<b>Gene Name</b>	SMYD5 SMYD family member 5 [ Homo sapiens ]
<b>Official Symbol</b>	SMYD5
<b>Synonyms</b>	SMYD5; SMYD family member 5; RAI15, retinoic acid induced 15; SET and MYND domain-containing protein 5; NN8 4AG; RRG1; ZMYND23; retinoic acid induced 15; retinoic acid responsive; retinoic acid-induced protein 15; RAI15; NN8-4AG;
<b>Gene ID</b>	10322
<b>mRNA Refseq</b>	NM_006062
<b>Protein Refseq</b>	NP_006053
<b>UniProt ID</b>	Q6GMV2
<b>Chromosome Location</b>	2p12
<b>Function</b>	metal ion binding; molecular_function;

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