Recombinant Human KMT5A Protein, His-tagged

Cat. No. KMT5A-023H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KMT5A protein (190-352) with a N-terminal hexahistidine-tag was expressed in E.coli
Species	Human
Source	E.coli
ProteinLength	190-352
Description	The protein encoded by this gene is a protein-lysine N-methyltransferase that can monomethylate Lys-20 of histone H4 to effect transcriptional repression of some genes. The encoded protein is required for cell proliferation and plays a role in chromatin condensation.
Molecular Mass	21.1 kDa
Purity	≥90% estimated by SDS-PAGE
Stability	≥ 6 months
Storage	-80 centigrade
Storage Buffer	50 mM sodium phosphate, pH 7.2, with 100 mM sodium chloride and 20% glycerol
Shipping	Dry ice in continental US, may vary elsewhere.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	KMT5A lysine methyltransferase 5A [Homo sapiens (human)]
Official Symbol	KMT5A
Synonyms	KMT5A; lysine methyltransferase 5A; SET8; SET07; SETD8; PR-Set7; PR/SET07; N-lysine methyltransferase KMT5A; H4-K20-HMTase KMT5A; H4-K20-HMTase SETD8; H4-K20-specific histone methyltransferase; H4K20-specific histone methyltransferase splice variant Set8b; N-lysine methyltransferase SETD8; PR/SET domain containing protein 8; PR/SET domain-containing protein 07; SET domain containing (lysine methyltransferase) 8; SET domain-containing protein 8; histone-lysine N-methyltransferase KMT5A; histone-lysine N-methyltransferase SETD8; lysine (K)-specific methyltransferase 5A; lysine N-methyltransferase 5A; lysine-specific methylase 5A; EC 2.1.1.361
Gene ID	387893
mRNA Refseq	NM_001324504
Protein Refseq	NP_001311433
MIM	607240
UniProt ID	Q9NQR1

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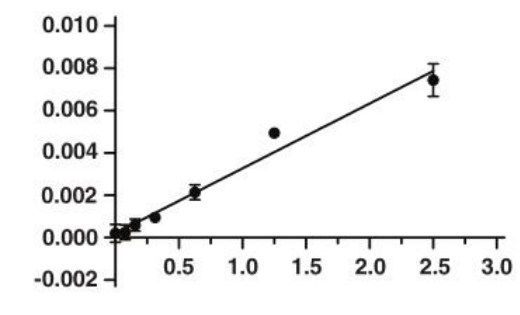
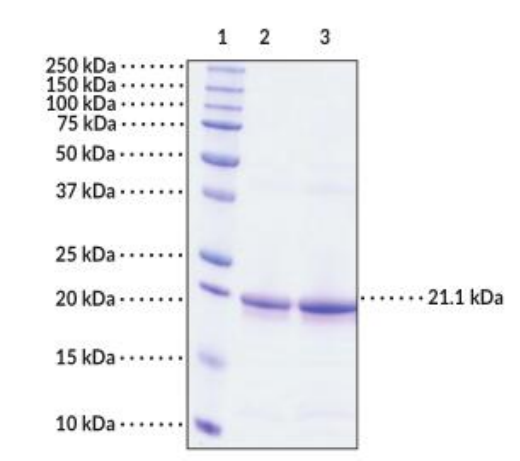
SET8 Activity	 SET8 activity was determined using Methyltransferase Colorimetric Assay Kit.
SDS-PAGE Analysis of KMT5A	 Lane 1: MW Markers Lane 2: SET8 (2 g) Lane 3: SET8 (4 g)

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