Recombinant Human KDM1A

Cat. No. KDM1A-29892TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 158-852 of Human KDM1 / LSD1 with N-terminal proprietary tag, 103 kDa.
Species	Human
Source	E.coli
ProteinLength	158-852 a.a.
Description	This gene encodes a nuclear protein containing a SWIRM domain, a FAD-binding motif, and an amine oxidase domain. This protein is a component of several histone deacetylase complexes, though it silences genes by functioning as a histone demethylase. Alternative splicing results in multiple transcript variants.
Tissue specificity	Ubiquitously expressed.
Biological activity	Specific Activity: 0.82 pmole/min/µg.Assay buffer: 50 mM sodium phosphate, pH 7.4, 70 uM dimethylated H3-K4 peptide and 8 ng/ul recombinant KDM1 / LSD1, 30 min at 37°C.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 0.05% Tween 20, 25mM Tris HCl, 100mM Sodium chloride, pH 8.0

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Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the flavin monoamine oxidase family.Contains 1 SWIRM domain.

GENE INFORMATION

Gene Name	KDM1A lysine (K)-specific demethylase 1A [Homo sapiens]
Official Symbol	KDM1A
Synonyms	KDM1A; lysine (K)-specific demethylase 1A; amine oxidase (flavin containing) domain 2 , AOF2, KDM1, lysine (K) specific demethylase 1; lysine-specific histone demethylase 1A; BHC110; KIAA0601; LSD1;
Gene ID	23028
mRNA Refseq	NM_001009999
Protein Refseq	NP_001009999
MIM	609132
Uniprot ID	O60341
Chromosome Location	1p36.12
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific

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	biosystem;
Function	MyoD binding; androgen receptor binding; chromatin binding; demethylase activity; enzyme binding;

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