

KDM1A recombinant protein

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CATALOG # AAA72910	HOST Sf9 insect cells	APPLICATIONS Western Blot
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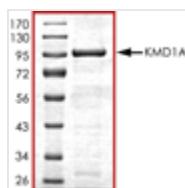
PRODUCT SYNONYMS

KDM1A; KDM1A recombinant protein; AOF2; BHC110; LSD1; KIAA0601

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Purity/Purification	>95%
Form/Format	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.2 ug/ul (varies by lot)
Sequence Length	2969
Applicable Applications for KDM1A recombinant protein	WB (Western Blot)
Type	Recombinant Fusion Protein
Species	Human
Tag Information	GST tag
Expression System	Sf9 insect cells using baculovirus
Source Note	Recombinant human KDM1A (172-end) was expressed by baculovirus in Sf9 insect cells
Gene Accession Number	BC048134
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product 1yr at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

The purity of KDM1A was determined to be >95% by densitometry. Approx. MW 100kDa.

ADDITIONAL INFORMATION

Related Product Information for KDM1A recombinant protein	Recombinant human KDM1A (172-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: KDM1A or lysine (K)-specific demethylase 1A is a nuclear protein containing a SWIRM domain, a FAD-binding motif, and an amine oxidase domain that is a component of several histone deacetylase complexes and act as a histone demethylase. (1) H3K4 histone demethylase activity of KDM1A is partly responsible for the repressive activity of TAL1 and restricts TAL1 function in hematopoiesis (1). KDM1A plays an essential role for CoREST in demethylation of H3K4 both in vitro and in vivo (2).
Product Categories/Family for KDM1A recombinant protein	Deacetylases/Demethylase Proteins; Signaling Proteins - Deacetylase/Demethylase Proteins
References	1. Hu, X. et.al : LSD1-mediated epigenetic modification is required for TAL1 function and hematopoiesis. Proc. Nat. Acad. Sci. 106: 10141-10146, 2009. 2. Lee, M. G. et.al : An essential role for CoREST in nucleosomal histone 3 lysine 4 demethylation. Nature 437: 432-435, 2005

NCBI AND UNIPROT INFORMATION

NCBI GI #	28856184
NCBI GeneID	23028
UniProt Accession #	O60341; Q5TH94; Q5TH95; Q86VT7; Q8IXK4; Q8NDP6; Q8TAZ3; Q96AW4; A8MWP9
Molecular Weight	~100 kDa
NCBI Official Full Name	Homo sapiens amine oxidase (flavin containing) domain 2, mRNA
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 1A
NCBI Official Symbol	KDM1A
NCBI Official Synonym Symbols	AOF2; KDM1; LSD1; BHC110
NCBI Protein Information	lysine-specific histone demethylase 1A; lysine (K)-specific demethylase 1; BRAF35-HDAC complex protein BHC110; amine oxidase (flavin containing) domain 2; FAD-binding protein BRAF35-HDAC complex, 110 kDa subunit; flavin-containing amine oxidase domain-containing protein 2
UniProt Protein Name	Lysine-specific histone demethylase 1A
UniProt Gene Name	KDM1A
UniProt Synonym Gene Names	AOF2; KDM1; KIAA0601; LSD1
UniProt Entry Name	KDM1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/kdm1a-recombinant-protein-sf9-insect-cells-wb-western-blot/72910>