

KDM2A recombinant protein

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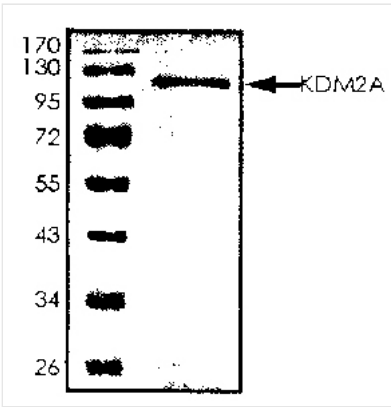
CATALOG # AAA72886	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

KDM2A; KDM2A recombinant protein; CXXC8; FBL11; FBL7; FBXL11; JHDM1A; LILINA; KDM2A protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Purity/Purification	>90%
Form/Format	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.1 mg/ml (varies by lot)
Sequence Positions	1-748
Sequence Length	7393
Applicable Applications for KDM2A recombinant protein	WB (Western Blot)
Type	Recombinant Fusion Protein
Species	Human
Tag Information	GST tag
Expression System	Sf9 insect cells using baculovirus
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	Storage: Store product at -70°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. Shipping: Ships with dry ice. Stability: 1 year at -70°C from date of shipment.



Application Data
The purity of KDM2A was determined to be >90% by densitometry. Approx MW 115kDa

ADDITIONAL INFORMATION

Related Product Information for KDM2A recombinant protein	Recombinant human KDM2A (1-748) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: KDM2A or lysine (K)-specific demethylase 2A is a member of the F-box protein family that are components of the modular E3 ubiquitin protein ligases called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination (1). KDM2A belongs to the Fbls class and, in addition to the presence of an F-box, contains at least six highly degenerated leucine-rich repeats which play a role in epigenetic silencing. The demethylase activity of the JmjC domain-containing proteins is conserved from yeast to human (2).
Product Categories/Family for KDM2A recombinant protein	Deacetylases/Demethylase Proteins ; Signaling Proteins - Deacetylase/Demethylase Proteins
References	1. Cenciarelli, C.et.al: Identification of a family of human F-box proteins. Curr. Biol. 9: 1177-1179, 1999. 2. Tsukada, Y. et.al: Histone demethylation by a family of JmjC domain-containing proteins. Nature 439: 811-816, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	226437603
NCBI GeneID	22992
NCBI Accession #	NP_036440.1
NCBI GenBank Nucleotide #	NM_012308
UniProt Accession #	Q9Y2K7 ; Q49A21 ; Q4G0M3 ; Q69YY8 ; Q9BVH5 ; Q9H7H5 ; Q9UK66 ; D4QA03 ; E9PIL6
Molecular Weight	115kDa
NCBI Official Full Name	Homo sapiens lysine (K)-specific demethylase 2A (KDM2A), transcript variant 1, mRNA
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 2A
NCBI Official Symbol	KDM2A
NCBI Official Synonym Symbols	FBL7; CXXC8; FBL11; FBXL11; JHDM1A; LILINA
NCBI Protein Information	lysine-specific demethylase 2A; F-box/LRR-repeat protein 11; CXXC-type zinc finger protein 8; [Histone-H3]-lysine-36 demethylase 1A; F-box and leucine-rich repeat protein 11; jumonji C domain-containing histone demethylase 1A; jmjC domain-containing histone demethylation protein 1A
UniProt Protein Name	Lysine-specific demethylase 2A
UniProt Gene Name	KDM2A

UniProt Synonym Gene Names	CXXC8; FBL7; FBXL11; JHDM1A; KIAA1004
UniProt Entry Name	KDM2A_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/kdm2a-recombinant-protein-sf9-insect-cells-wb-western-blot/72886>