

Recombinant Full Length Human KDM1A Protein, GST-tagged

Cat. No. KDM1A-1179HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AOF2 full-length ORF (AAH40194.3, 1 a.a. - 876 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	876 amino acids
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. [provided by RefSeq, Apr 2009]
Molecular Mass	121.6 kDa
AA Sequence	MLSGKKAAAA AAAAAAATG TEAGPGTAGG SENGSEVAAQ PAGLSGPAEV GPGAVGERTP RKKEPPRASP PGGLAEPQGS AGPQAGPTVV PGSATPMETG IAETPEGRRT SRRKRAKVEY REMDESLANL SEDEYYSEEE RNAKAEKEKK LPPPPPQAPP EEENESEPEE PSGQAGGLQD DSSGGYGDGQ ASGVEGAAFQ SRLPHDRMTS QEAACFPDII SGPQQTQKVF LFIRNRTLQL WLDNPKIQLT FEATLQQLEA PYNSDTVLVH RVHSYLERHG LINFGIYKRI KPLPTKKTGK VIIIGSGVSG LAAARQLQSF GMDVTLLER DRVGGRVATF RKGNYVADLG AMVVTGLGGN PMAVVSQVN MELAKIKQKC PLYEANGQAD TVKVPKEKDE

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MVEQEFNRLLEATSLSHQLDFNVLNNKPVSLGQALEVVIQLQEKHVKDE
 QIEHWKKIVKTQEELKELLNKMVNLKEKIKELHQYKEASEVKPPRDITA
 EFLVKSCHRDLTALCKEYDELAETQGKLEEKLQELEANPPSDVYLSSRDR
 QILDWHFANLEFANATPLSTLSLKHWQDDDFEFTGSHLTVRNGYSCVPV
 ALAEGLDIKLNTAVRQVRYTASGCEVIAVNTRSTSQTFIYKCDAVLCTLP
 LGVLKQPPAVQFVPLPEWKTSVQRMGFNLNKVVLCDRVFWDPSVN
 LFGHVGSTTASRGELFLFWNLYKAPILLALVAGEAAGIMENISDDVIVGR
 CLAILKGIFGSSAVPQPKETVVSRRADPWARGSYSYVAA GSSGNDYDLM
 AQPITGPSIPGAPQIPRLFFAGEHTIRNYPATVHGALLSGLREAGRIA
 DQFLGAMYTLPRQATPGVPAQQSPSM

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; lysine (K)-specific demethylase 1; BRAF35-HDAC complex protein BHC110; lysine-specific histone demethylase 1; amine oxidase (flavin containing) domain 2; FAD-binding protein BRAF35-HDAC complex, 110 kDa subunit; flavin-containing amine oxidase domain-containing protein

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	2; AOF2; KDM1
Gene ID	23028
mRNA Refseq	NM_001009999
Protein Refseq	NP_001009999
MIM	609132
UniProt ID	O60341

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