

# Recombinant Full Length Human KDM1A Protein, GST-tagged

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

## SPECIFICATION

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

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 45-1 Ramsey Road, Shirley, NY 11967, USA

MVEQEFNRLLEATSLSHQLDFNVLNNKPVSLGQALEVVIQLQEKHVKDE  
 QIEHWKKIVKTQEELKELLNKMVNLKEKIKELHQYKEASEVKPPRDITA  
 EFLVKSCHRDLTALCKEYDELAETQGKLEEKLQEELEANPPSDVYLSSRDR  
 QILDWHFANLEFANATPLSTLSLKHWDQDDDFEFTGSHLTVRNGYSCVPV  
 ALAEGLDIKLNTAVRQVRYTASGCEVIAVNTRSTSQTFIYKCDAVLCTLP  
 LGVLKQPPAVQFVPLPEWKTSVQRMGFNLNKVVLCDRVFWDPSVN  
 LFGHVGSTTASRGELFLFWNLYKAPILLALVAGEAAGIMENISDDVIVGR  
 CLAILKGIFGSSAVPQPKETVVSRRADPWARGSYSYVAA GSSGNDYDLM  
 AQPITGPSIPGAPQPIRLFFAGEHTIRNYPATVHGALLSGLREAGRIA  
 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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