

Recombinant Full Length Human KDM2A Protein, GST-tagged

Cat. No. KDM2A-4920HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FBXL11 full-length ORF (AAH47486.1, 1 a.a. - 782 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	782 amino acids
Description	This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbls class and, in addition to an F-box, contains at least six highly degenerated leucine-rich repeats. This family member plays a role in epigenetic silencing. It nucleates at CpG islands and specifically demethylates both mono- and di-methylated lysine-36 of histone H3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012]
Molecular Mass	116.3 kDa
AA Sequence	MEPEEEERIRYSQRLRGTMRRRYEDDGISDDEIEGKRTFDLEEKLHTNKYNANFVTFM

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EGKDFNVEYIQRGGRLDPLIFKNSDGLGIKMPDPDFTVNDVKMCVGSRRMVDVMDV
 NTQKGIEMTMAQWTRYETPEEEREKLYNVISLEFSHTRLNMVQRPSTVDFIDWV
 DNMWPRHLKESQTESTNAILEMQYPKVQKYCLMSVRGCYTDFHVDFFGGTSVWYHI
 HQGGKVFWLIPPTAHNLELYENWLLSGKQGDIFLGDRVSDCQRIELKQGYTFVIPSG
 WIHAVYTPTDTLVFGGNFLHSFNIPMQLKIYNIEDRTRVPNKFYYPFYEMCWYVLE
 RYVYCITNRSHLTKEFQKESLSMDLELNGLESGNGDEEAVDREPRRLSSRRSVLTS
 PVANGVNLDYDGLGKTCRSLPSLKKTLAGDSSSDCSRGSNGQVWDPQCAPRKD
 RQVHLTHFELEGLRCLVDKLESLPLHKKCVPTGIEDEDALIADV KILLEELANS DPKLA
 LTGVPIVQWPKRDKLKFPTRPKVRVPTIPITKPHTMKPAPRLTPVRPAAASPIVSGAR
 RRRVRCRKCKACVQGECEGVCHYCRDMKKFGGPGRMKQSCVLRQCLAPRLPHSVT
 CSLCGEVDQNEETQDFEKKLMECCICNEIVHPGCLQMDGEGLLNEELPNCWECPK
 CYQEDSSEKAQKRKMEESDEEAVQAKVLRPLRSCDEPLTPPHSPTSMQLIHDPV
 SPRGMVTRSSPGAGPSDHHSASRDERFKRRQLLRLQATERTMVLRLQETLDKN

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
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	KDM2A lysine demethylase 2A [Homo sapiens (human)]
Official Symbol	KDM2A

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Synonyms

KDM2A; lysine demethylase 2A; Lysine Demethylase 2A; F-Box And Leucine-Rich Repeat Protein 11; JmjC Domain-Containing Histone Demethylation Protein 1A; Jumonji C Domain-Containing Histone Demethylase 1A; [Histone-H3]-Lysine-36 Demethylase 1A; Lysine (K)-Specific Demethylase 2A; CXXC-Type Zinc Finger Protein 8; F-Box/LRR-Repeat Protein 11; EC 1.14.11.27; FBXL11; JHDM1A; CXXC8; FBL7; Lysine-Specific Demethylase 2A; F-Box Protein Lilina; F-Box Protein FBL11; F-Box Protein FBL7; KIAA1004; LILINA; FBL11; lysine-specific demethylase 2A; CXXC-type zinc finger protein 8; F-box and leucine-rich repeat protein 11; F-box/LRR-repeat protein 11; [Histone-H3]-lysine-36 demethylase 1A; jmjC domain-containing histone demethylation protein 1A; jumonji C domain-containing histone demethylase 1A; lysine (K)-specific demethylase 2A

Gene ID

[22992](#)

mRNA Refseq

[NM_001256405](#)

Protein Refseq

[NP_001243334](#)

MIM

[605657](#)

UniProt ID

[Q9Y2K7](#)

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