

Recombinant Human KDM2B protein, FLAG-tagged

Cat. No. KDM2B-457H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KDM2B(1–650 aa) fused with FLAG tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-650 a.a.
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. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been determined.
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 3 mM DTT, 20% glycerol, and 80 g/ml FLAG peptide
Molecular Mass	75 kDa
Purity	≥83% by HPLC

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Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Storage	>6 months at –80 centigrade. Avoid freeze/thaw cycles.
Concentration	0.19 mg/ml
GENE INFORMATION	
Gene Name	KDM2B lysine (K)-specific demethylase 2B [Homo sapiens]
Official Symbol	KDM2B
Synonyms	KDM2B; lysine (K)-specific demethylase 2B; F box and leucine rich repeat protein 10 , FBXL10; lysine-specific demethylase 2B; CXXC2; Fbl10; JHDM1B; jumonji C domain containing histone demethylase 1B; PCCX2; F-box protein FBL10; F-box/LRR-repeat protein 10; CXXC-type zinc finger protein 2; protein containing CXXC domain 2; protein-containing CXXC domain 2; [Histone-H3]-lysine-36 demethylase 1B; F-box and leucine-rich repeat protein 10; jumonji C domain-containing histone demethylase 1B; jmjC domain-containing histone demethylation protein 1B; JEMMA (Jumonji domain, EMSY-interactor, methyltransferase motif) protein; jumonji domain-containing EMSY-interactor methyltransferase motif protein; FBXL10;
Gene ID	84678
mRNA Refseq	NM_032590
Protein Refseq	NP_115979
MIM	609078
UniProt ID	Q8NHM5

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Chromosome Location	12q24.31
Function	DNA binding; DNA binding; histone demethylase activity; histone demethylase activity (H3-K36 specific); metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; protein binding; rRNA binding; zinc ion binding; zinc ion binding;

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