

Active Recombinant Human KDM6A protein, FLAG-tagged

Cat. No. KDM6A-84H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KDM6A (a.a: 1-1401) fused with FLAG tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-1401 a.a.
Description	This gene is located on the X chromosome and is the corresponding locus to a Y-linked gene which encodes a tetratricopeptide repeat (TPR) protein. The encoded protein of this gene contains a JmjC-domain and catalyzes the demethylation of tri/dimethylated histone H3. Multiple alternatively spliced transcript variants have been found for this gene.
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween20, 20% glycerol, 80 µg/ml FLAG peptide.
Bio-activity	0.6 pmol/min/µg
Molecular Mass	155 kDa
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Stability	At least 6 months at –80 centigrade. Storing diluted enzyme is not recommended, if

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necessary, use carrier protein (BSA 0.1 – 0.5%). Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	KDM6A lysine (K)-specific demethylase 6A [Homo sapiens]
Official Symbol	KDM6A
Synonyms	UTX; KABUK2; bA386N14.2; lysine-specific demethylase 6A; bA386N14.2 (ubiquitously transcribed X chromosome tetratricopeptide repeat protein (UTX)); histone demethylase UTX; ubiquitously transcribed tetratricopeptide repeat protein X-linked; ubiquitously-transcribed TPR gene on the X chromosome
Gene ID	7403
mRNA Refseq	NM_021140
Protein Refseq	NP_066963
MIM	300128
UniProt ID	O15550
Chromosome Location	Xp11.2
Pathway	Chromatin modifying enzymes, organism-specific biosystem; Chromatin organization, organism-specific biosystem; HDMs demethylate histones, organism-specific biosystem
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding;

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dioxygenase activity; histone demethylase activity (H3-K27 specific)

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