

## Active Recombinant Human KDM6A protein, FLAG-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KDM6A (a.a: 1-1401) fused with FLAG tag at N-terminal was expressed in Insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-1401 a.a.
<b>Description</b>	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.
<b>Form</b>	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween20, 20% glycerol, 80 µg/ml FLAG peptide.
<b>Bio-activity</b>	0.6 pmol/min/µg
<b>Molecular Mass</b>	155 kDa
<b>Applications</b>	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
<b>Stability</b>	At least 6 months at -80 centigrade. Storing diluted enzyme is not recommended, if

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

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

## GENE INFORMATION

<b>Gene Name</b>	KDM6A lysine (K)-specific demethylase 6A [ Homo sapiens ]
<b>Official Symbol</b>	KDM6A
<b>Synonyms</b>	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
<b>Gene ID</b>	7403
<b>mRNA Refseq</b>	NM_021140
<b>Protein Refseq</b>	NP_066963
<b>MIM</b>	300128
<b>UniProt ID</b>	O15550
<b>Chromosome Location</b>	Xp11.2
<b>Pathway</b>	Chromatin modifying enzymes, organism-specific biosystem; Chromatin organization, organism-specific biosystem; HDMs demethylate histones, organism-specific biosystem
<b>Function</b>	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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