



# Human KDM6B peptide (DAG-P0593)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code. Demethylates trimethylated and dimethylated H3 'Lys-27'. Plays a central role in regulation of posterior development, by regulating HOX gene expression. Involved in inflammatory response by participating in macrophage differentiation in case of inflammation by regulating gene expression and macrophage differentiation.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the UTX family. Contains 1 JmjC domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KDM6B lysine (K)-specific demethylase 6B [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	KDM6B
<b>Synonyms</b>	KDM6B; lysine (K)-specific demethylase 6B; JMJD3; lysine-specific demethylase 6B; lysine demethylase 6B; jmjC domain-containing protein 3; jumonji domain-containing protein 3; jumonji domain containing 3, histone lysine demethylase;
<b>Entrez Gene ID</b>	<a href="#">23135</a>
<b>mRNA Refseq</b>	<a href="#">NM_001080424.1</a>

<b>Protein Refseq</b>	<a href="#">NP_001073893.1</a>
<b>UniProt ID</b>	O15054
<b>Chromosome Location</b>	17p13.1
<b>Pathway</b>	Cellular Senescence, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Oxidative Stress Induced Senescence, organism-specific biosystem;
<b>Function</b>	dioxygenase activity; histone demethylase activity (H3-K27 specific); metal ion binding; protein binding; sequence-specific DNA binding;