

Recombinant Human KDM6B Protein (D1141-L1636), His tagged

Cat. No. KDM6B-0526H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-TEV-KDM6B(D1141-L1636) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	D1141-L1636
Description	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. Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression by acting as a link between T-box factors and the SMARCA4-containing SWI/SNF remodeling complex.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	KDM6B lysine (K)-specific demethylase 6B [Homo sapiens (human)]
Official Symbol	KDM6B
Synonyms	KDM6B; lysine (K)-specific demethylase 6B; JMJD3, jumonji domain containing 3, jumonji domain containing 3, histone lysine demethylase; lysine-specific demethylase 6B; KIAA0346; lysine demethylase 6B; jmjC domain-containing protein 3; jumonji domain-containing protein 3; jumonji domain containing 3, histone lysine demethylase; JMJD3;
Gene ID	23135
mRNA Refseq	NM_001080424
Protein Refseq	NP_001073893
MIM	611577
UniProt ID	O15054

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