

## Recombinant Human KDM5A

**Cat. No.** KDM5A-29894TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human KDM5A / Jarid1A / RBBP2 with proprietary tag, 36.63kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	100 amino acids
<b>Description</b>	The protein encoded by this gene is a ubiquitously expressed nuclear protein. It binds directly, with several other proteins, to retinoblastoma protein which regulates cell proliferation. This protein also interacts with rhombotin-2 which functions distinctly in erythropoiesis and in T-cell leukemogenesis. Rhombotin-2 is thought to either directly affect the activity of the encoded protein or may indirectly modulate the functions of the retinoblastoma protein by binding to this protein.
<b>Molecular Weight</b>	36.630kDa inclusive of tags
<b>Biological activity</b>	useful for Antibody Production and Protein Array
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl Note: Glutathione is reduced

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<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	KVEPEVLSTDTQTSPEPGTRMNILPKRTRRVKTQSESGDVS RNTELKKLQIFGAGPK VVGLAMGTKDKEDDEVTRRRKVTNRSDAFNMQMRQRKGTLSVNF
<b>Sequence Similarities</b>	Belongs to the JARID1 histone demethylase family.Contains 1 ARID domain.Contains 1 JmjC domain.Contains 1 JmjN domain.Contains 3 PHD-type zinc fingers.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KDM5A lysine (K)-specific demethylase 5A [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">KDM5A</a>
<b>Synonyms</b>	KDM5A; lysine (K)-specific demethylase 5A; JARID1A, jumonji, AT rich interactive domain 1A , Jumonji, AT rich interactive domain 1A (RBBP2 like) , RBBP2, retinoblastoma binding protein 2; lysine-specific demethylase 5A;
<b>Gene ID</b>	<a href="#">5927</a>
<b>mRNA Refseq</b>	<a href="#">NM_001042603</a>
<b>Protein Refseq</b>	<a href="#">NP_001036068</a>
<b>MIM</b>	<a href="#">180202</a>
<b>Uniprot ID</b>	<a href="#">P29375</a>
<b>Chromosome Location</b>	12p11

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**Function**

DNA binding; chromatin binding; metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, 2-oxoglutarate as one donor, and incorporation of one atom each of oxygen in;

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