

Recombinant Human KDM5A

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

SPECIFICATION

Product Overview	Recombinant fragment of Human KDM5A / Jarid1A / RBBP2 with proprietary tag, 36.63kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	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.
Molecular Weight	36.630kDa inclusive of tags
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.31% Glutathione, 0.79% Tris HClNote: Glutathione is reduced

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KVEPEVLSTDTQTSPEPGTRMNILPKRTRRVKTQSESGDVSRNTELKKLQIFGAGPK VVGLAMGTDKDEDEVTRRRKVTNRSDAFNMQMRQRKGTLSVNF
Sequence Similarities	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

Gene Name	KDM5A lysine (K)-specific demethylase 5A [Homo sapiens]
Official Symbol	KDM5A
Synonyms	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;
Gene ID	5927
mRNA Refseq	NM_001042603
Protein Refseq	NP_001036068
MIM	180202
Uniprot ID	P29375
Chromosome Location	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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