

# Recombinant Human KDM5A Protein, DDK-tagged

**Cat. No.** KDM5A-683H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Recombinant Human KDM5A fused with DDK tag at C-terminal was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | This gene encodes a member of the Jumonji, AT-rich interactive domain 1 (JARID1) histone demethylase protein family. The encoded protein plays a role in gene regulation through the histone code by specifically demethylating lysine 4 of histone H3. The encoded protein interacts with many other proteins, including retinoblastoma protein, and is implicated in the transcriptional regulation of Hox genes and cytokines. This gene may play a role in tumor progression. |
| <b>Form</b>             | 50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 192 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## GENE INFORMATION

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| <b>Gene Name</b> | KDM5A lysine (K)-specific demethylase 5A [ Homo sapiens ] |
|------------------|-----------------------------------------------------------|

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| <b>Official Symbol</b> | <b>KDM5A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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; histone demethylase JARID1A; retinoblastoma binding protein 2; retinoblastoma-binding protein 2; jumonji/ARID domain-containing protein 1A; Jumonji, AT rich interactive domain 1A (RBP2-like); Jumonji, AT rich interactive domain 1A (RBBP2-like); RBP2; RBBP2; RBBP-2; JARID1A; |
| <b>Gene ID</b>         | <b>5927</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | <b>NM_001042603</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>  | <b>NP_001036068</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>MIM</b>             | <b>180202</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | <b>P29375</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |