

## Recombinant Human JMJD6 Protein, His-tagged

**Cat. No.** JMJD6-207H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human JMJD6 Protein is produced by E. coli expression system. This protein is fused with a His tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>JMJD6 also known as bifunctional arginine demethylase and lysyl-hydroxylase JMJD6. JMJD6 acts as a lysyl-hydroxylase that catalyzes 5-hydroxylation on specific lysine residues of target proteins such as u2AF2/u2AF65 and LuC7L2, as a regulator of RNA splicing by mediating 5-hydroxylation of u2AF2/u2AF65, affecting the pre-mRNA splicing activity of u2AF2/u2AF65. In addition to peptidyl-lysine 5-dioxygenase activity, may act as an RNA hydroxylase, as suggested by its ability to bind single strand RNA. Also acts as an arginine demethylase which demethylates histone H3 at 'Arg-2' (H3R2me) and histone H4 at 'Arg-3' (H4R3me), thereby playing a role in histone code. Recombinant human JMJD6, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.</p>
<b>Form</b>	Liquid, In Phosphate buffered saline (pH7.4) containing 30% glycerol, 1mM DTT
<b>Molecular Mass</b>	50.0 kDa
<b>AA Sequence</b>	<p>MGSSHHHHHHH SSGLVPRGSH MGSMNHKSKK RIREAKRSAR PELKDSL DWT            RHNYYESFSL SPAAVADNVE RADALQLSVE EFVERYERPYPY KPVVLLNAQE            GWSAQEKWTL ERLKRKYRNQ KFKCGEDNDG YSVKMKMKY Y IEYMESTRDD</p>

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SPLYIFDSSY GEHPKRRKLL EDYKVPKFFT DDLFQYAGEK RRPPYRWFVM  
 GPPRSGTGIH IDPLGTSAWN ALVQGHKRWC LFPTSTPRELIKVTRDEGGN  
 QQDEAITWFN VIYPRTQLPT WPPEFKPLEI LQKPGETV FV PGGWWHVVLN  
 LDTTIAITQN FASSTNFPVV WHKTVRGRP K LSRKWYRILK QEHP ELAVLA  
 DSVDLQESTG

**Purity** > 90% by SDS - PAGE

**Notes** For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

**Storage** Can be stored at +2 centigrade to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [JMJD6 jumonji domain containing 6 \[ Homo sapiens \]](#)

**Official Symbol** [JMJD6](#)

**Synonyms** JMJD6; jumonji domain containing 6; KIAA0585; PTDSR1; lysyl-hydroxylase JMJD6; PSR; PTDSR;

**Gene ID** [23210](#)

**mRNA Refseq** [NM\\_001081461](#)

**Protein Refseq** [NP\\_001074930](#)

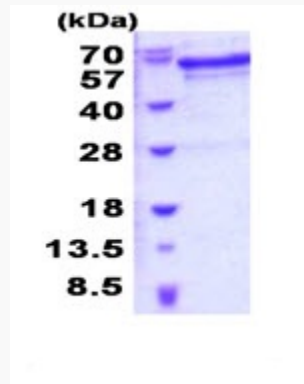
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**MIM** 604914

**UniProt ID** Q6NYC1



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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