

Recombinant Human JMJD6 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human JMJD6 Protein is produced by E. coli expression system. This protein is fused with a His tag.
Species	Human
Source	E.coli
Description	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.
Form	Liquid, In Phosphate buffered saline (pH7.4) containing 30% glycerol, 1mM DTT
Molecular Mass	50.0 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNHKSKK RIREAKRSAR PELKDSLDWT RHNYYESFSL SPAAVADNVE RADALQLSVE EFVERYERPYP KPVVLLNAQE GWSAQEKWTL ERLKRKYRNQ KFKCGEDNDG YSVKMKMKYY IEYMESTRDD

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SPLYIFDSSY GEHPKRRKLL EDYKVPKFFT DDLFQYAGEK RRPPYRWFVM
 GPPRSGTGIH IDPLGTSAWN ALVQGHKRCW LFPTSTPRELIKVTRDEGGN
 QQDEAITWFN VIYPRTQLPT WPPEFKPLEI LQKPGETV FV PGGWWHVVLN
 LDTTIAITQN FASSTNFPVV WHKTVRGRPK LSRKWYRILK QEHPELAVLA
 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

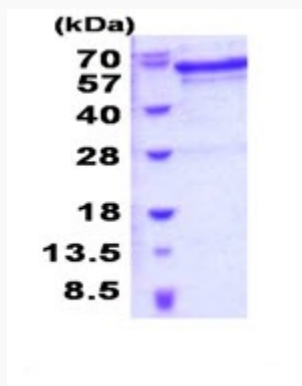
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MIM 604914

UniProt ID Q6NYC1



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

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