

## Product datasheet for **SC338016**

### KDM6A (NM\_001291417) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KDM6A (NM_001291417) Human Untagged Clone
Tag:	Tag Free
Symbol:	KDM6A
Synonyms:	bA386N14.2; KABUK2; UTX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001291417, the custom clone sequence may differ by one or more nucleotides

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ATGAAATCCTGCGGAGTGTGCTCGCTACCGCCGCCGCTGCCGCCGCCGCTTTCGGTGATGAGGAAAAGA
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CCTCATCTGA
    
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**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001291417

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001291417.1](#), [NP\\_001278346.1](#)

**RefSeq Size:** 5650 bp

**RefSeq ORF:** 4071 bp

**Locus ID:** 7403

**Cytogenetics:** Xp11.3

**Gene Summary:** This gene is located on the X chromosome and is the corresponding locus to a Y-linked gene which encodes a tetratricopeptide repeat (TPR) protein. The encoded protein of this gene contains a JmjC-domain and catalyzes the demethylation of tri/dimethylated histone H3. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Apr 2014]

Transcript Variant: This variant (4) lacks two consecutive in-frame exons in the coding region, compared to variant 1. The resulting isoform (4) lacks an internal segment, compared to isoform 1.