

Product datasheet for **SC338046**

KDM6A (NM_001291415) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KDM6A (NM_001291415) 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_001291415, the custom clone sequence may differ by one or more nucleotides

```
ATGAAATCCTGCGGAGTGTGCTCGCTACCGCCGCCGCTGCCGCCGCCGCTTTCGGTGATGAGGAAAAGA
AAATGGCGGCGGGAAAAGCGAGCGGCGAGAGCGAGGAGGCGTCCCCAGCCTGACAGCCGAGGAGAGGGA
GGCGCTCGGCGGACTGGACAGCCGCTCTTTGGGTTCTGTGAGATTTTCATGAAGATGGCGCCAGGACGAAG
GCCCTACTGGGCAAGGCTGTTGCTGCTATGAATCTCTAATCTTAAAAGCTGAAGAAAAGTGGAGTCTG
ATTTCTTTTGTCAATTAGGTCACCTTCAACCTCTTATTGGAAGATTATCCAAAAGCATTATCTGCATACCA
GAGGTACTACAGTTTACAGTCTGACTACTGGAAGAATGCTGCCTTTTTATATGGTCTTGGTTTGGTCTAC
TTCCATTATAATGCATTTCAAGTGGCAATTAAGCATTTCAGGAGGTGCTTTATGTTGATCCAGCTTTT
GTCGAGCCAAGGAAATTCATTTACGACTTGGGCTTATGTTCAAAGTGAACACAGACTATGAGTCTAGTTT
AAAGCATTTTCAGTTAGCTTTGGTTGACTGTAATCCCTGCACTTTGTCCAATGCTGAAATTCATTTTAC
ATTGCCCACTTATATGAAACCCAGAGGAAATATCATTCTGCAAAAAGAGCTTATGAACAACCTTTTGCAGA
CAGAGAACTTTTCTGCACAAGTAAAAGCAACTGTCTTACAACAGTTAGGTTGGATGCATCACACTGTAGA
TCTCCTGGGAGATAAAGCCACCAAGGAAAGCTATGCTATTCAGTATCTCCAAAAGCTTGGGAGCAGAT
CCTAATTCTGGCCAGTCTGGTATTTCTCGGAAGGTGCTATTCAAGTATTGGGAAAGTTCAGGATGCCT
TTATATCTTACAGGCAGTCTATTGATAAATCAGAAGCAAGTGCAGATACATGGTGTCAATAGGTGTGCT
ATATCAGCAGCAAAATCAGCCCATGGATGCTTTACAGGCCTATATTTGTGCTGTACAATTGGACCATGGC
CATGTGCAGCCTGGATGGACCTAGGCACTCTCTATGAATCCTGCAACCCAGCCTCAGGATGCCATTAAT
GCTACTTAAATGCAACTAGAAGCAAAAGTTGTAGTAATACCTCTGCACTTGCAGCACGAATTAAGTATTT
ACAGGCTCAGTTGTGTAACCTTCCACAAGGTAGTCTACAGAATAAAAATAAATTACTTCTAGTATTGAG
GAGGCGTGGAGCCTACCAATTCGCGAGAGCTTACCTCCAGGCAGGGTCCATGAACACAGCACAGCAGG
CATGTAACCTCATCATCAAACTACTGAACCTGTATTAGGCTCAGTCAAACCAATTTACAGCAATC
CTTGCCACTACACATGATTCCTTCTAGCCAAGTAGATGACCTGTCCAGTCTGCCAAGAGGAAAAGAACA
TCTAGTCCAACAAGAATACTTCTGACAATTGGAGTGGTGGACATGCTGTGTACATCCTCCAGTACAGC
AACAGCTCATTATGGTGTGGACACCACAGAAATTACAGCATTGGAACAGCTCCGCGCAATAGAAA
```



[View online »](#)

TAATTTAAATCCAGCACAGAACTGATGCTGGAACAGCTGGAAAGTCAGTTGTCTTAATGCAACAACAC
 CAAATGAGACCAACAGGAGTTGCACAGGTACGATCTACTGGAAATTCCTAATGGGCCAACAGCTGACTCAT
 CACTGCCTACAACTCAGTCTCTGGCCAGCAGCCACAGCTTGCTCTGACCAGAGTGCCTAGCGTCTCTCA
 GCCTGGAGTCCGTCTGCCTGCCTGGGCGACCTTTGGCCAATGGACCCTTTTCTGCAGGCCATGTTCCC
 TGTAGCACATCAAGAACGCTGGGAAGTACAGACACTATTTGATAGGCAATAATCATATAACAGGAAGTG
 GAAGTAATGGAACGTGCCTTACCTGCAGCGAAACGCACACTCACTACCTCATAACCCGCACAACTGAC
 CAGCAGCGCAGAGGAGCCGTGGAAAAACCACTATCTAACTCCACTCAGGGGCTTCACAAAGGTCAGAGT
 TCACATTCGGCAGGTCTAATGGTGAACGACCTCTCTTCCACTGGGCCTTCCCAGCATCTCCAGGCAG
 CTGGCTCTGGTATTGAGAAATCAGAACGGACATCCACCCTGCCTAGCAATTCAGTAAACACAGGGGCTGC
 TCTCAATCACCTCTCTCTCACACTGCTACCTCAGGTGGACAACAAGGCATTACCTTAACCAAAGAGAGC
 AAGCCTTCAGGAAACATATTGACGGTGCCTGAAACAAGCAGGCACACTGGAGAGACACCTAACAGCACTG
 CCAGTGTGAGGGACTTCTAATCATGTCCATCAGATGACGGCAGATGCTGTTTGCAGTCTAGCCATGG
 AGATTCTAAGTCACCAGGTTTACTAAGTTCAGACAATCCTCAGCTCTCTGCCTTGTGATGGGAAAAGCC
 AATAACAATGTGGTACTGGAACCTGTGACAAAGTCAATAACATCCACCAGCTGTTTCATACAAAGACTG
 ATAACTCTGTTGCCTCTTACCATCTTCCAGCCATTTCAACAGCAACACCTTCTCCAAAATCCACTGAGCA
 GACAACCAACAAAGTGTACCAGCCTTAAACAGCCCTCACAGTGGGCTACACACAATTAATGGAGAAGGG
 ATGGAAGAATCTCAGAGCCCATGAAAACAGATCTGCTTCTGGTTAACCAAAAACCTAGTCCACAGATCA
 TACCATCAATGTCTGTGTCCATATACCCAGCTCAGCAGAAGTTCTGAAGGCATGCAGGAATCTAGGTAA
 AAATGGCTTATCTAACAGTAGCATTGTTGGATAAATGTCCACCTCAAAGACCACCATCTTACCATAC
 CCTCCCTTGCCAAAGGACAAGTTGAATCCACCTACACCTAGTATTTACTTGAAAAATAACAGTGTGCTT
 TCTTCTCCATTACATCAATTTGTACAAATCCGAACAACCTGTTACAGTAATACGTGGCCTTGTCTGG
 AGCTCTTAAGTTAGACCTGGGACTTTTCTACTAAAACCTTTGGTGAAGCTAACAAATGAACATATGGTA
 GAAGTAGGACACAGTTGTTGCAGCCAGCAGATGAAAACCTGGGATCCACTGGAACAAAGAAAATCTGGC
 ATGTGAAAAGTAATAGATCTCATACTACAATTGCTAAAATATGCACAGTACCAGGCCCTCTCATTCCAGGA
 ATCATTGAGAGAAGAAAATGAAAAAGAAGTCATCATAAAGACCACTCAGATAGTGAATCTACATCGTCA
 GATAAATCTGGGAGGAGGAGGAAAGGACCCTTTAAAACCATAAAGTTTGGGACCAATATTGACCTATCTG
 ATGACAAAAAGTGAAGTTGCAGCTACATGAGCTGACTAACTTCTGCTTTTGTGCGTGTGATCAGC
 AGGAAATCTTCTAAGCCATGTTGGTCATACCATATTGGGCATGAACACAGTTCAACTATACATGAAAGTT
 CCAGGGAGCAGAACACCAGGTATCAGGAAAATAACAACCTTCTGTTTCAAGTAAACATAAATATTGGCCAG
 GTGACTGTGAATGTTTGTGTTCTGAAGTTACTGGGGTGTCTGAATGACTTCTGTGAAAAAATAA
 TTTGAATTCCTAATGGGTTCTTGGTGGCCAATCTTGAAGATCTTATGAAGCAATGTTCCAGTGTAT
 AGGTTTATTCAGCGACCTGGAGATTTGGTCTGGATAAATGCAGGCACTGTTCAATGGGTTTCAAGGCTATTG
 GCTGGTGAACAACATTGCTTGGAAATGTTGGTCCACTTACAGCCTGCCAGTATAAATTGGCAGTGGAAACG
 GTACGAATGGAACAAATTGCAAAGTGTGAAGTCAATAGTACCCATGGTTCATCTTCTGGAATATGGCA
 CGAAATATCAAGTCTCAGATCCAAAGCTTTTGAAGTGAATGATTGTTCTTCTAAGAAGTCTGAAGC
 AATGTCAGACATTGAGGGAAGCTCTCATTGCTGCAGGAAAAGAGATTATGGCATGGGCGGACAAAAGA
 AGAACCAGCTCATTACTGTAGCATTGTGAAGTGGAGGTTTTTGTGATCTGCTTTTGTCACTAATGAGAGT
 AATTACGAAAAGACCTACATAGTACATTGCCAAGATTGTGCACGAAAAACAAGCGGAACTTGGAAAACT
 TTGTGGTCTAGAACAGTACAAAATGGAGGACCTGATGCAAGTCTATGACCAATTTACATTAGCTCCTCC
 ATTACCATCCGCCTCATCTGA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001291415

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_001291415.1](#), [NP_001278344.1](#)

RefSeq Size: 5941 bp

RefSeq ORF: 4362 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 (1) encodes the longest isoform (1).