

Product datasheet for SC112984

KDM6A (NM_021140) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KDM6A (NM_021140) Human Untagged Clone
Tag:	Tag Free
Symbol:	KDM6A
Synonyms:	bA386N14.2; KABUK2; UTX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112984 sequence for NM_021140 edited (data generated by NextGen Sequencing)

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ATGAAATCCTGCGGAGTGTGCTCGCTACCGCCGCGCTGCCCGCCGCTTTTCGGTGAT
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 GAGGACCTGATGCAAGTCTATGACCAATTTACATTAGCTCCTCCATTACCATCCGCTCA
 TCTTGA

Clone variation with respect to NM_021140.2
 2177 c=>a

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_021140 unedited TCACATATTATGNATACGACTCACTATAGNNGCGGCCGCGAAATTCGGCACGAGGGAAG TTTGTGTCTCCAACGAATCCCCTCAGTGCTCCCCAGCCCCGCGCGCTCCGGCCGTTCCCG CCGTCCCCGCTGTGGCTGCCCCCTGCCAACCCCGCGATGTGACCTACAGCCGAAAGC CGCCGCTGCCGACCCGGGGGCTCCGCAGCCCCTGCCGCCGCCGCCGCCCTTACCGCC GCCCGTTGGGATTTTTCGTCGCCGCCGCCGCCGGGAGGAGGAGGCGCGATAAAGTT GGTGTGCTGGTCCCGCGCGCAGATTGGGGCGTCACTGCGGGCCCCGGTCCGAGGGGGGG TGTGCGCGTTGGAGTTGTGAATTCGCTGCGTTTTCCATGAAATCCTGCGGAGTGTGCTCG CTACCGCCCGCGCTGCCGCCGCCCTTTCGGTGATGAGGAAAAGAAAATGGCGGCCGGAA AAGCGAGCGCGAGAGCGAGGAGCGTCCCCAGCCTGACAGCCGANGAGGGGANGCGC TCTGCGGACTGGACAGCCGCTCTTTGGTTTCGTGAGAATTCATGAAGATGGCGCCAGNA CGAAGGCCCTACTGGCAAGGCTTTCGCTGCTATGAATCTAATCTTAAAGCTGAAGG AAAGTGGAGTCTGATTTCTTTGTCATTANGTCACTTCAACCTCTATTGGAAGATTATC CAAAAGCATTATCTGCATACCAGAAGTACTACAGTTTACAGTCTGACTACTGGAAGAATG CTCGCCTTTTATATGGGCNTGGGGTTGGTCTACCTCCATTATAATGCATTTCAAGTGGCA ATTAAGCATTTCAGGAAGTGTNATGNTTGATTCCAGCTTTTTGCCGAGCCCACGGAA ATCAATTTACCACCTTGGCTCATGTTCCAAAGTGAACACAGACTATTGATCCTAGTTTAA AGCATTTCAATACCTTTGGGTGACTGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_021140
Insert Size:	5400 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	<ol style="list-style-type: none"> 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_021140.1 , NP_066963.1

RefSeq Size: 5418 bp

RefSeq ORF: 4206 bp

Locus ID: 7403

UniProt ID: [O15550](#)

Cytogenetics: Xp11.3

Domains: TPR, JmjC

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 (3) lacks an in-frame exon in the coding region, compared to variant 1. The resulting isoform (3) lacks an internal segment, compared to isoform 1.