

Product datasheet for **SC323828**

JMJD5 (KDM8) (NM_024773) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JMJD5 (KDM8) (NM_024773) Human Untagged Clone
Tag:	Tag Free
Symbol:	JMJD5
Synonyms:	JMJD5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024773.1
 CGAGCGGTGAGCGATCGATACTCCTATGCTAGCCTCTGGCTCCTCAGGGGACACAGCCGA
 GTGGTCGGACCAAACGCAACGAGTCTTCGCCAGCCAAAGGGGACTCGACACCGTCCCAG
 CTGAAGAGAGGCACGGGACTGAACCAGCTGGTGGTGGCCCGATGGCTGGAGACACCCACT
 GCCCCGCAGAGCCCTGGCCAGAGAAGGCACTTATGGGAGGCCCTCAGGGCGCTCCTGC
 CGCACAGTAAAGAAGACCTGAAGTTGGACCTCGGGGAGAAAGTGGAGAGGAGCGTGGTGA
 CATTGTTGCAGCGAGCCACTGAGCTCTTCTACGAGGGCAGGAGGGACGAGTGTCTGCAGA
 GCAGCGAGGTGATCCTGGACTACTCCTGGGAGAAGCTCAACACGGGCACATGGCAGGACG
 TAGACAAAGACTGGCGCGGGTCTACGCCATCGGCTGCCTCCTGAAAGCCCTGTGTCTGT
 GCCAGGCACCTGAGGATGCCAACACTGTGGCCGACGCCCTGCGGGTCTGTGACATGGGCC
 TGCTGATGGGGGACGCCATCCTGGGGGACATCCTTCTTAAAGTCGCTGCCATCCTCCAGA
 CACACCTCCTGGAAAGAGGCCTGCCCGTGGCTCCCTCCCAGAGCAACCCTGCACAAAGA
 AAGCAAGGGCGGACCATGGTTTGTATTCCAGATGTGAAGTTAGAAAAACAGTCCCCGGC
 TGCACCGTCCGTCCTCCAGCATTTCAGGGAGCAGTTTTTGGTTCAGGGAGGCCCGTGA
 TCCTGAAAGGCGTGGCTGACCACTGGCCGTGCATGCAGAAGTGGAGTTTGGAGTATATCC
 AGGAGATCGCTGGCTGCCGAAGTGTCCAGTGGAAAGTTGGTTCGAGGTACACAGATGAGG
 AATGGTCCAGACCCCTATGACGGTCAACGAGTTCATCAGCAAATACATCGTGAATGAGC
 CAAGGGACGTCGGGTACCTTGCTCAGCACCAGCTCTTGACCAGATCCCGGAGTTGAAGC
 AGGACATCAGCATCCCCGACTACTGCAGCCTGGGCGATGGGGAGGAGGAAATCACCA
 TCAATGCCTGGTTTGGTCCCCAGGAACCATCTCCCCACTACATCAGGATCCCCAGCAAA
 ACTTCTAGTGCAGGTGATGGGGAGGAAGTACATCCGGCTGTATCCCCGAGGAGTCAG
 GGGCTGTGACCTCATGACACGCACCTTCTCCATAACACGAGCCAGGTTGACGTGGAGA
 ATCCCCGACTGGAAAAGTTCCCCAAGTTTGCCTAAGGCCCCATTCTGTCTGCATCCTGT
 CTCTGGAGAGATCCTGTTTCATCCCGGTGAAATACTGGCATTACGTGCGGGCTCTGGATT
 TGAGCTTCTCGGTGAGCTTCTGGTGGTCTGAGCCAGGATAGGAGCTGAAAGGGCCTGACA
 TGCAGACAGCATTATCTGTTCACTAATTTCTGGGTCTGGAATCTATAGAGACAAGCA
 GGACTGAACCTGTGCTGAAGACCTTCACTGCCAGTGGCAGCCCTGGGGGGTGGAGC
 TCCAGCACTGGACAGGCACAGAGCAGGGGCTGCCAGGAAGGAGCACACTCCAGGCCAGG
 GGTGCATGGCAGGAAGGTGGGGAGAGCCAGAAAGGACATTGCAGACAGACAGCCTGCA
 TGGGGACTCTGGCATCAGAAAGCCGAATGTTTTGGGAAACGGGTGGGTACACAGGCAG
 GGGTGAACATGGGCTCTGAGGTTGGCTACCTGATTCAAACCCGGCCGCTGCGCACCT
 GCTGGGTGACTTGGCCAGGATCCCCACTTCGCTGTGCCATATGGAAAAGAGGGCAAGG
 CCAAGTCTCACTGCCGAGGGCCGAGAAGGCGGTGCCGAGCCCTGCTGCTGCATGAACCT
 TAGCCGCTGCTACTGATCCCAATTACTCTGATCCTTTTGCCTTCTTCCATAACGGCC
 TGCTGGACGCCACAGCCTGAATACTGGAGAGAGCTGGGCATTGCCAGGTACAGGAGAG
 AGTCCGTAGAGACCTGCGCAGGAGCCGGGACCCCTGCTGAGCAGTGGGAGCTTTCTGTCA
 TCCCCATGGCTCAAGGATAACCTACCTGCCTGCAGAGAAGAGCGAAGGTCTTGTGGATG
 ACTTTTACCCGCACTCACCCAGGAGCAGGCTCCCAAGTGAAGAAACCACCAACCATCA
 CCAGCTCTAGAAGCCTCCCTCCCACCACCTTCTAGTACCATCCCCAGAAGTAATGAC
 TCTCAAACCTGGGGGATTTGAGGCCAGGGGAGAGCCAGGCTCTATGCTTTCTGTAATTG
 TGTCTCGTTTGTGTGCACGCAGGTTTGTATGTTTTGGCCATTAAGATTTTCCCAGC
 CAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_024773

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_024773.1</u> , <u>NP_079049.1</u>
RefSeq Size:	2416 bp
RefSeq ORF:	1251 bp
Locus ID:	79831
UniProt ID:	<u>Q8N371</u>
Cytogenetics:	16p12.1
Domains:	JmjC
Gene Summary:	<p>This gene likely encodes a histone lysine demethylase. Studies of a similar protein in mouse indicate a potential role for this protein as a tumor suppressor. Alternatively spliced transcript variants have been described.[provided by RefSeq, Feb 2009]</p> <p>Transcript Variant: This variant (2) uses an alternate 5' terminal exon and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>