

## Product datasheet for **SC112055**

### 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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112055 sequence for NM_024773 edited (data generated by NextGen Sequencing)

```

ATGGCTGGAGACACCCACTGCCCCGAGAGCCCCTGGCCAGAGAAGGCACCTTTATGGGAG
GCCCTCAGGGCGCTCCTGCCGCACAGTAAAGAAGACCTGAAGTTGACCTCGGGGAGAAA
GTGGAGAGGAGCGTGGTACATTGTTGCAGCGAGCCACTGAGCTTTCTACGAGGGCAGG
AGGGACGAGTGTCTGCAGAGCAGCGAGGTGATCCTGGACTACTCCTGGGAGAAGCTCAAC
ACGGGCACATGGCAGGACGTAGACAAAGACTGGCGCCGGGTCTACGCCATCGGCTGCCTC
CTGAAAGCCCTGTGTCTGTGCCAGGCACCTGAGGATGCCAACACTGTGGCCGAGCCCTG
CGGGTCTGTGACATGGGCTGCTGATGGGGGCAGCCATCCTGGGGGACATCCTTCTTAAA
GTCGCTGCCATCCTCCAGACACACCTCCCTGAAAGAGGCCTGCCCGTGGCTCCCTCCCA
GAGCAACCCTGCACAAAGAAAGCAAGGGCGGACCATGGTTTGATTCCAGATGTGAAGTTA
GAAAAACAGTCCCCCGGCTGCACCGTCCGTCCCTCCAGATTTACAGGGAGCAGTTTTTG
GTTCCAGGGAGGCCCGTATCCTGAAAGCGTGGCTGACCACTGGCCGTGCATGCAGAAG
TGGAGTTTGGAGTATATCCAGGAGATCGCTGGCTGCCGAAGTGTCCCAGTGGAAGTTGGT
TCGAGGTACACAGATGAGGAATGGTCCCAGACCCTCATGACGGTCAACGAGTTTATCAGC
AAATACATCGTGAATGAGCAAGGGACGTGGGTACCTTGCTCAGCACCAGCTCTTTGAC
CAGATCCCGGAGTTGAAGCAGGACATCAGCATCCCCGACTACTGCAGCCTGGGCGATGGG
GAGGAGGAGGAAATCACCATCAATGCCTGGTTTGGTCCCAGGGAACCATCTCCCCTA
CATCAGGATCCCCAGCAAACCTTCTAGTGCAGGTGATGGGGAGGAAGTACATCCGGCTG
TATCCCCGAGGAGTACGGGGCTCTGTACCCTCATGACACGCACCTTCTCCATAACAGC
AGCCAGGTTGACGTGGAGAATCCCGACCTGAAAAAGTTCCCAAGTTTGCCAAGGCCCA
TTCTGTCTGCATCCTGTCTCCTGGAGAGATCCTGTTTATCCCGGTGAAATACTGGCAT
TACGTGCGGGCTCTGGATTTGAGCTTCTCGGTCAGCTTCTGGTGGTCGTAG

```

Clone variation with respect to NM\_024773.2



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_024773 unedited CACCCCGCCCGTTGNCGCTAAGGGCGGTAGGCGTGACGGTGGGAGGTCTATATAAGC AGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGCGC TATGCTAGCCTCTGGCTCCTCAGGGGACACAGCCGAGTGGTCGGACCAAACGCAACGAGT CTTCGCCAGCCAAAGCGACTCGACACCGTCCCAGCTGAAGAGAGGCACGGGACTGAACC AGCTGGTGGTGGCCCGATGGCTGGAGACACCCACTGCCCCGAGAGCCCTGGCCAGAGA AGGCACCTTATGGGAGGCCCTCAGGGCGCTCCTGCCGCACAGTAAAGAAGACCTGAAGTT GGACCTCGGGGAGAAAGTGGAGAGGAGCGTGGTGACATTGTTGCAGCGAGCCACTGAGCT CTTCTACGAGGGCAGGAGGGACGAGTGTCTGCAGAGCAGCGAGGTGATCCTGGACTACTC CTGGGAGAAGCTCAACACGGGCACATGGCAGGACGTAGACCAAGACTGGCGCCGGGTCTA CGCCATCGGCTGCCTCCTGAAAAGCCTGTGTCTGTGCCAGGCACCTGNAGATGCCAACAC TGTGGCCGAGCCCTGCGGGTCTGTGACATGGGCCTGCTGATGGNGGCAGCCATCCTGGG GGACATCCTTNCCTAAGTCGCTGCCATCCTCCAGACACACCTCCCTGGAAAGAGGCCTGC CCGTGGCTCCCTCCAGAGCAACCCTGCCCAAAGAAAGCAGGGCNGACCATGGTTTGATC CCGATGTTGAGTTAGAAAACAGTCCCCGGCTGCACGTNCGTNCAGCATTTCAGGAG CAGTTTTTGTTCAGGNAGCCCGTATCTGAAAGGCGTCTGACANTGGCCGTGCTGCA AANTGGAGTTGGAAGTTATCCAGGAATCCGTTGCTGCCGACGTGTCAAG
<b>Restriction Sites:</b>	ECoRI-NOT
<b>ACCN:</b>	NM_024773
<b>Insert Size:</b>	2500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_024773.1</a> , <a href="#">NP_079049.1</a>
<b>RefSeq Size:</b>	2416 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	79831
<b>UniProt ID:</b>	<a href="#">Q8N371</a>
<b>Cytogenetics:</b>	16p12.1
<b>Domains:</b>	JmjC

**Gene Summary:**

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]

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.