

Product datasheet for **RG206417**

JMJD5 (KDM8) (NM_024773) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JMJD5 (KDM8) (NM_024773) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	JMJD5
Synonyms:	JMJD5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206417 representing NM_024773 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGAGACACCCACTGCCCGCAGAGCCCCTGGCCAGAGAAGGCACTTTATGGGAGGCCCTCAGGG
CGCTCCTGCCGCACAGTAAAGAAGACCTGAAGTTGGACCTCGGGGAGAAAGTGGAGAGGAGCGTGGTGAC
ATTGTTGCAGCGAGCCACTGAGCTCTTCTACGAGGGCAGGAGGGACGAGTGTCTGCAGAGCAGCGAGGTG
ATCCTGGACTACTCCTGGGAGAAGCTCAACACGGGCACATGCCAGGACGTAGACAAAGACTGGCGCCGGG
TCTACGCCATCGGCTGCCTCCTGAAAGCCCTGTGTCTGTGCCAGGCACCTGAGGATGCCAACACTGTGGC
CGCAGCCCTCGGGTCTGTGACATGGGCCCTGTGATGGGGCAGCCATCCTGGGGGACATCCTTCTTAAA
GTCGCTGCCATCCTCCAGACACACCTCCCTGAAAAGAGGCCTGCCCGTGGCTCCCTCCCAGAGCAACCTT
GCACAAAGAAAGCAAGGGCGGACCATGGTTTATTCCAGATGTGAAGTTAGAAAAACAGTCCCCCGGCT
GCACCGTCCGTCCTCCAGCATTTCAGGGAGCAGTTTTTGGTTCCAGGGAGGCCCGTGATCCTGAAAGGC
GTGGCTGACCACTGGCCGTGCATGCAGAAGTGGAGTTGGAGTATATCCAGGAGATCGTGGCTGCCGAA
CTGTCCCAGTGAAGTTGGTTCGAGGTACACAGATGAGGAATGGTCCCAGACCCTCATGACGGTCAACGA
GTTTCATCAGCAAATACATCGTGAATGAGCAAGGACGTCGGGTACCTTGCTCAGCACCAGCTCTTTGAC
CAGATCCCGGAGTTGAAGCAGGACATCAGCATCCCCGACTACTGCAGCCTGGGCGATGGGAGGAGGAGG
AAATCACCATCAATGCCTGGTTTGGTCCCCAGGGAACCATCTCCCCTACATCAGGATCCCCAGCAAAA
CTTCTAGTGCAGGTGATGGGGAGGAAGTACATCCGGCTGATTCCCGCAGGAGTCAGGGGCTCTGTAC
CCTCATGACACGCACCTTCTCCATAACACGAGCCAGGTTGACGTGGAGAATCCCGACCTGGAAAAGTTCC
CCAAGTTTGCCAAGGCCCATTCCTGTCTGCATCCTGTCTCCTGGAGAGATCCTGTTTCATCCCGGTGAA
ATACTGGCATTACGTGCGGGCTCTGATTTGAGCTTCTCGGTCAGCTTCTGGTGGTCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206417 representing NM_024773
Red=Cloning site Green=Tags(s)

MAGDTHCPAEPLAREGLWEALRALLPHSKEDLKLDLGKVERSIVTLLQRATELFYEGRRDECLQSSEV
 ILDYSWEKLNLTGTWQDVKDWRVYVYAIIGCLLKLCLCQAPEDANTVAAALRVCDMGLLMGAAIILGDILLK
 VAAIILQTHLPGKRPARGSLPEQPCTKKARADHGLIPDVKLEKTVPRLHRPSLQHFREQFLVGRPVILKG
 VADHWPCMQKWSLEYIQEIAIGCRTVPVEVGSRYTDEEWSQTLMTVNEFISKYIVNEPRDVGYLAQHQLFD
 QIPELKQDISIPDYCSLDGEEEEITINAWFGPQGTISPLHQDPQONFLVQVMGRKYIRLYSPQESGALY
 PHDTHLLHNTSQVDVENPDLEKFKPAKAPFLSCILSPGEILFIPVKYWHYVRALDLSFSVSFWWS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024773

ORF Size: 1248 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_024773.3](#)

RefSeq Size: 2416 bp

RefSeq ORF: 1251 bp

Locus ID: 79831

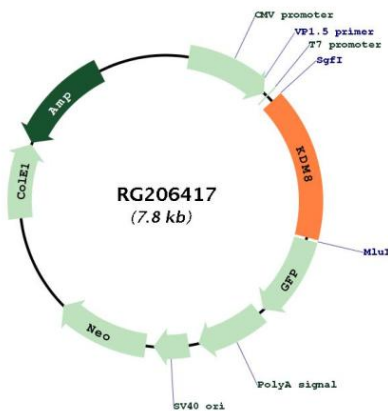
UniProt ID: [Q8N371](#)

Cytogenetics: 16p12.1

Domains: 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]

Product images:



Circular map for RG206417