

Product datasheet for **MC212467**

Jmjd4 (NM_178659) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Jmjd4 (NM_178659) Mouse Untagged Clone
Tag: Tag Free
Symbol: Jmjd4
Synonyms: 6430559I23
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212467 representing NM_178659
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATCGGGAGACACGCACCTTTGCCGAGCGGTAACCGGGACCTCCGAGACCCAGTCCCTAGCGGCG
GTGGCGGGCCACACCCAGCGCGTGACCTTCATTAGACCCCGAACGCCTTCTCCTATGCTGACTTCGT
GAAGGGCTTCTGCTGCCTAACCTGCCCTGCGTGTTCCTAGCGCCTTACCGAGGGCTGGGGCAGCAGG
CGGCGCTGGGTGACCTCGGAGGAAAGCCTGACTTCGAGTATCTGCAGCAGAAGTATGGAGACGCGGTTG
TACCGGTTGCCAACTGTGGAGTGCAGAGAATAACAATCAAACCCCAAGGAGCACATGTCCTCCGCGACTA
TATCAGTTACTGGAAGGACTACATCCAAGGGAGTTACTCCTCTTCGCGGGGCTGCCTCTACCTCAAGGAC
TGGCATCTGTGCAGAGACTCCTTGGTGAATGACTTGAAGACATATTCACCCTGCCCGTGTACTTCTCGT
CAGACTGGCTGAATGAGTCTGGGACGTCCTCAATGTGGATGACTATCGTTTTGTCTATGCAGGCCCCAG
GGGCACCTGGTCTCCCTCCATGCAGACATCTCCGCTCCTTCAGCTGGTCAGTCAACATCTGTGGGAAG
AAGAAATGGTTGTTCTTCCCGCCAGGCGAGGAGGAAGCCCTCCGGGACTGCCATGGTAACCTGCCCTATG
ATGTGACTTCCACTGAGCTCCTGGACACCCACCTGTATCCAAGATCCAGCACACAGCCTTCCCATTGA
AGTGCATACAGGAGCCTGGTGAATGGTGTTCGCGCCAGCGGGTGGCACCATCAAGTGTACAACCTGGAT
GACACCATTTCTATTAACCACAACCTGGGTCAATGGCTGCAACCTGCCAAACATGTGGCACTTCTGCAGC
AAGAGCTCCAGGCTGTGCAGCATGAGGTCGAAGAATGGAAGGACTCCATGCCTGACTGGCACCACCACTG
CCAGGTGCATGAAGTCTGCACAGGGATCAATTTTGAAGAATTTTACCATTTCTCAAAGTGCATCGCC
GAGAAGAGGCTCCTTGTCTGGAGCAAGGACTGAAGGGGATTAGGGGACAGCCGGAGCCTAGACCTGG
GCCTACAGCAGGCTGCATTTGATATTGGCCGCTTGCAGATGTGCTGGCCTCTGTGGTTGTGAATCTGA
CTTTAGAGAGTGGACACCAGCGCATTCTACCACAGCCAGAAGATTGCTTCAGCAGCTGGAGGACGCA
GTGGCTGCTGCAGAGGCCCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_178659
Insert Size:	1284 bp
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:	<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_178659.6</u> , <u>NP_848774.1</u>
RefSeq Size:	4445 bp
RefSeq ORF:	1284 bp
Locus ID:	194952
UniProt ID:	<u>Q8BFT6</u>
Cytogenetics:	11 B1.3
Gene Summary:	<p>Catalyzes the 2-oxoglutarate and iron-dependent C4-lysyl hydroxylation of ETF1 at 'Lys-63' thereby promoting the translational termination efficiency of ETF1 (By similarity). Not essential for embryonic stem cell (ESC) maintenance and the embryonic and postnatal development (PubMed:27147518).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>