

## Product datasheet for **MC227580**

### Jmjd4 (NM\_001205068) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Jmjd4 (NM\_001205068) 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:** >MC227580 representing NM\_001205068  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATCGGGAGACACGCACCTTTGCCGAGCGGTAACCGGGACCTCCGAGACCCAGTCCCTAGCGGCG  
GTGGCGGCCCCACACCCAGCGCGTGACCTTCATTAGACCCCGAACGCCTTCTCCTATGCTGACTTCGT  
GAAGGGCTTCTGCTGCCTAACCTGCCCTGCGTGTTCCTAGCGCCTTCACCGAGGGCTGGGGCAGCAGG  
CGGCGCTGGGTGACCTCGGAGGAAAGCCTGACTTCGAGTATCTGCAGCAGAAAGTATGGAGACGCGGTTG  
TACCGGTTGCCAACTGTGGAGTGCAGAGAATAACAATTCAAACCCCAAGGAGCACATGTCCTCCGCGACTA  
TATCAGTTACTGGAAGGACTACATCCAAGGGAGTTACTCCTCTTCGCGGGGCTGCCTCTACCTCAAGGAC  
TGGCATCTGTGCAGAGACTCCTTGGTGAATGACTTGAAGACATATTCACCCTGCCCGTGTACTTCTCGT  
CAGACTGGCTGAATGAGTTCTGGGACGTCCTCAATGTGGATGACTATCGTTTTGTCTATGCAGGCCCCAG  
GGGCACCTGCTGGTCAGTCAACATCTGTGGGAAGAAGAAATGGTTGTTCTTCCGCCAGGCGAGGAGGAA  
GCCCTCCGGGACTGCCATGGTAACTGCCCTATGATGTGACTTCCACTGAGCTCCTGGACACCCACTGT  
ATCCCAAGATCCAGCACACAGCCTTCCCATTGAAGTCATACAGGAGCCTGGTGAGATGGTGTTCCTGCC  
CAGCGGGTGGCACCATCAAGTGTACAACCTGGATGACACCATTTCTATTAACCACAACCTGGGTCAATGGC  
TGCAACCTGCCAAACATGTGGCACTTCTGCAGCAAGAGCTCCAGGCTGTGCAGCATGAGGTGGAAGAAT  
GGAAGGACTCCATGCCTGACTGGCACCACCACTGCCAGGTATCATGAAGTCTGCACAGGGATCAATTT  
TGAAGAATTTTACCATTTCTCAAAGTCATCGCCGAGAAGAGGCTCCTTGTCTGGAGCAAGGACTGAAG  
GGGATTACAGGGACAGCCGAGCCTAGACCTGGGCTACAGCAGGCTGCATTTGATATTGGCCGCTTG  
CAGATGTGCTGGCTCTGTGTTGTGAATCCTGACTTTCAGAGAGTGACACCAGCGCATTCTACCACA  
GCCAGAAGAGTTGCTTCAGCAGCTGGAGACGCAGTGGCTGCTGCAGAGGCCCTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001205068
<b>Insert Size:</b>	1248 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001205068.1</a></u> , <u><a href="#">NP_001191997.1</a></u>
<b>RefSeq Size:</b>	4409 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	194952
<b>UniProt ID:</b>	<u><a href="#">Q8BFT6</a></u>
<b>Cytogenetics:</b>	11 B1.3
<b>Gene Summary:</b>	<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 (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. The encoded isoform (2) is shorter than 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>