

Product datasheet for **SC326993**

JMJD4 (NM_001161465) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JMJD4 (NM_001161465) Human Untagged Clone
Tag:	Tag Free
Symbol:	JMJD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326993 representing NM_001161465. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGTGCAGGCCCGGAGCCCCAGGCGCTGGCGGGGCAGAAACGCGGCGCCCTGCGTCTTCTGGTTCCG
AGGCTGGTCTCACCGTTTCCGCTCCGGCGGAAGTGAGGAGGAGGGTCTTCGACCCGTCGTGAGCTGG
ATGGACCGCAGACGCGCGCCCTCGCCGACAGCCACTTCCGAGGCTGGGGTTCGATGTCCCCGGCGTC
GGCCAGGCTCCGGGCCGGGTAGCCTTCGTCTCGGAGCCGGGCGCCTTCTCCTACGCCGACTTGTGCGG
GGCTTCTTGTGCCCCAACCTGCCCTGCGTGTTCAGCGCCTTACGCGAGGGCTGGGGCAGCCGGCGG
CGCTGGGTGACGCCCGGGGAGGCCGACTTCGACCACCTGCTACGGACCTACGGAGACGTGGTTGTA
CCAGTTGCAAACCTGTGGGTCCAGGAATACAACCTCGAACCCCAAAGAGCACATGACTCTCAGAGACTAC
ATCACCTACTGGAAGAGTACATACAGGCGGGCTACTCCTCTCCCAGGGGCTGTCTACCTCAAAGAC
TGGCACTTGTGCAGGACTTCCGGTGGAGGACGTTTTACCCTGCCTGTGACTTCTCGTCCGACTGG
CTGAATGAGTTCTGGATGCACTGGATGTGGATGACTACCGCTTGTCTACGCGGGGCTGCGGGCAGC
TGGTCCCCGTTCCATGCTGACATCTTCCGCTCCTCAGCTGGTCTGTCAATGTCTGTGGGAGGAAGAAG
TGGCTCCTTCCCCCAGGGCAGGAAGAGGCCCTGCGGGACCGCCACGGCAACCTGCCCTACGACGTG
ACCTCCCAGCACTCTGCGACACACACCTGCACCCACGGAACAGCTTGTGGCCACCCTTGGAGATC
ACGCGAAGCGGGCAGATGGTGTTCGCCAGTGGCTGGCACCACAGGTGCACAACCTGGATGAC
ACCATCTCCATCAACCACAACCTGGGTCAATGGCTTCAACCTGGCCAACATGTGGCGCTTCTTGCAGCAG
GAGCTATGCGCCGTGCAGGAGGAGTATCATGAGGTCCTGCTCGGGCATCAACTTTGAAGATTTTAC
CACTTCTCAAGGTCATCGCTGAGAAGAGGCTCCTGGTCTGAGGGAGGCAGCCGCTGAGGACGGTGTG
GGTGGGTTTTCGAACAGGCAGCCTTTGATGTTGGGCGCATCACAGAGGTGCTGGCTCCTTGGTTGCG
CACCCGACTTCCAGAGAGTGGACACCAGCGCTTCTACCACAGCCCAAAGAGCTGCTGCAGCAGCTG
AGAGAGGCTGTTGATGCTGCTGCGGCCCATAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



ACCN:	NM_001161465
Insert Size:	1344 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).
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_001161465.1</u>
RefSeq Size:	2564 bp
RefSeq ORF:	1344 bp
Locus ID:	65094
UniProt ID:	<u>Q9H9V9</u>
Cytogenetics:	1q42.13
MW:	50.5 kDa
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.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. This results in a shorter isoform (2) compared to 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>