

Product datasheet for **MR206341**

Jmjd6 (NM_033398) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jmjd6 (NM_033398) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Jmjd6
Synonyms:	5730436I23Rik; D11ErtD195e; mKIAA0585; PSR; PtdSerR; Ptdsr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206341 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAACCAAGAGCAAGAAGCGCATCCGCGAGGCCAAGCGAAGTGCGCGCCGGAGCTCAAGGACTCGC
TCGACTGGACCCGGCACAACACTACGAGAGCTACCCGCTGAACCCGCGGCCGTGTCGGATAACGTGGA
GAGAGCTGATGCCTTACAGCTGTCGGTAAAGAGTTCGTGGAGCGCTACGAGAGGCCCTTACAAGCCCGT
GTTCTGCTCAATGCACAAGAGGGCTGGTCCGCACAGGAGAAATGGACTCTGGAGCGCCTCAAAGGAAAT
ACCGGAACCAGAAGTTCAAGTGCGGCAGGATAATGACGGCTACTCGGTGAAGATGAAGTGAAGTACTA
CATCGAGTACATGGAGAGCACCCGCGATGACAGTCCCCTTACATCTTCGATAGCAGCTATGGCGAACAC
CCCAAAAGAAGGAACTTTTGAAGACTACAAGGTGCCCAAGTTTTTACAGATGATCTTTTCCAATACG
CGGGGGAGAAACGCAGACCCCTTACAGGTGGTTTGTGATGGGGCCACCGCCTTGAAGTGGGATTCA
CATCGACCCTCTGGGACCAGTGCCTGGAATGCCTTAGTTCAGGGTCAAGCGGTGGTGCCTTTCCCA
ACAAACACACCCAGAGAATCATCAAGGTGACCCGAGAAGAAGGAGGGAACCAACAGGATGAAGCAATTA
CCTGGTTAATGTCATCTATCCCGGACACAGCTTCCAACCTGGCCACCTGAATCAAACCCCTGGAGAT
ATTACAGAAACAGGAGAACTGTCTTTGTACCAGGGGGCTGGTGGCATGTTGTCTCAACCTTGACACC
ACCATGGCATCACCCAGAATTTGCCAGCAGCACCAACTCCCTGTTGTGTGGACAAGACGGTAAGAG
GGAGACCAAGTTATCAAGGAAGTGGTATAGGATCTTGAACAGGAGCACCTGAGCTGGCAGTCCCTGGC
CGACGCAGTTGACCTCCAGGAGTCCACAGGCATTGCCTCTGACAGCTCCAGCGACTCTTCTAGCTCCTCT
AGTTCCAGCTCGTCAGACTCGGACTCAGAGTGTGAATCTGGGTCAGAAGGTGATGGGACGACACCCGCA
GGAAGAAGAGGAGAACCTGCAGCATGGTGGGAAATGGGGACACTACCTCCAGGATGACTGTGTGAGCAA
AGAGCGCAGCTCCTCCAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206341 protein sequence
 Red=Cloning site Green=Tags(s)

MNHKSKKRIREAKRSARPELKDSLWTRHNYYESYPLNPAAVSDNVERADALQLSVKEFVERYERPYKPV
 VLLNAQEGWSAQEKWTLERLKRKYRNQKFKCGEDNDGYSVKMKMKYYIEYMESTRDDSPLYIFDSSYGEH
 PKRRKLLLEDYKVPKFFDLDLFQYAGEKRRPPYRWFVMGPPRSGTGIHIDPLGTSAWNALVQGHKRWCLFP
 TNTPRELIKVTREEGGNQDEAITWFNVIYPRTQLPTWPPEFKPLEILQKPGETVFPVGGWWHVVLNLDL
 TIAITQNFASSTNFPVVWHKTVRGRPKLSRKWYRILKQEHPELAVLADAVDLQESTGIASDSSDSSSSSS
 SSSSSDSECESESGEGDGTTHRRKKRRTCSMVGNGDSTSQDDCVSKERSSSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_033398

ORF Size: 1212 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_033398.1](#)

RefSeq Size: 1688 bp

RefSeq ORF: 1212 bp

Locus ID: 107817

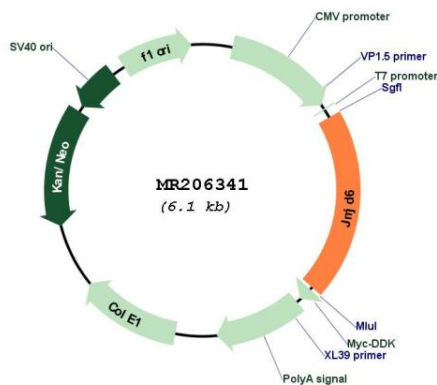
UniProt ID: [Q9ERI5](#)

Cytogenetics: 11 81.49 cM

MW: 46.6 kDa

Gene Summary: This gene encodes a nuclear protein with a JmjC domain. JmjC domain-containing proteins are predicted to function as protein hydroxylases or histone demethylases. This protein functions in differentiation of multiple tissues during development, and in anti-inflammatory cytokine signaling. It was first identified as a putative phosphatidylserine receptor involved in phagocytosis of apoptotic cells; however, subsequent studies have indicated that this protein does not directly function in the clearance of apoptotic cells, and questioned whether it is a true phosphatidylserine receptor. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR206341