

Product datasheet for **MG206341**

Jmjd6 (NM_033398) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jmjd6 (NM_033398) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Jmjd6
Synonyms:	5730436I23Rik; D11ErtD195e; mKIAA0585; PSR; PtdSerR; Ptdsr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206341 representing NM_033398 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCAAGAGCAAGAAGCGCATCCGCGAGGCCAAGCGAAGTGCGCGCCGGAGCTCAAGGACTCGC
TCGACTGGACCCGGCACAACACTACGAGAGCTACCCGCTGAACCCCGCGCCGTGTCGGATAACGTGGA
GAGAGCTGATGCCTTACAGCTGTCGGTAAAGAGTTCGTGGAGCGCTACGAGAGGCCCTTACAAGCCCGTG
GTTCTGCTCAATGCACAAGAGGGCTGGTCCGCACAGGAGAAATGGACTCTGGAGCGCCTCAAAGGAAAT
ACCGGAACCAGAAGTTCAAGTGCGGCAGGATAATGACGGCTACTCGGTGAAGATGAAGATGAAGTACTA
CATCGAGTACATGGAGAGCACCCGCGATGACAGTCCCCTTTACATCTTCGATAGCAGCTATGGCGAACAC
CCCAAAAGAAGGAACTTTTGAAGACTACAAGGTGCCCAAGTTTTTTCACAGATGATCTTTTCCAATACG
CGGGGGAGAAACGCAGACCCCTTACAGGTGGTTTGTGATGGGGCCACCGCTTCTGGAAGTGGGATTCA
CATCGACCCTCTGGGGACCAGTGCCTGGAATGCCTTAGTTCAGGGTCACAAGCGGTGGTGCCTTTCCCA
ACAAACACACCCAGAGAATCATCAAGGTGACCCGAGAAGAAGGAGGGAACCAACAGGATGAAGCAATTA
CCTGGTTAATGTCATCTATCCCGGACACAGCTTCCAACCTGGCCACCTGAATTCAAACCCCTGGAGAT
ATTACAGAAACAGGAGAACTGTCTTTGTACCAGGGGGCTGGTGGCATGTTGTCTCAACCTTGACACC
ACCATTGCCATCACCCAGAACTTGGCAGCAGCACCAACTCCCTGTTGTGTGGACAAGACGGTAAGAG
GGAGACCAAGTTATCAAGGAAGTGGTATAGGATCTTGAACAGGAGCACCTGAGCTGGCAGTCCCTGGC
CGACGCAGTTGACCTCCAGGAGTCCACAGGCATTGCCTCTGACAGCTCCAGCGACTCTTCTAGCTCCTCT
AGTTCCAGCTCGTCAGACTCGGACTCAGAGTGTGAATCTGGGTGAGAAGGTGATGGGACGACACCCGCA
GGAAGAAGAGGAGAACCTGCAGCATGGTGGGAAATGGGGACACTACCTCCAGGATGACTGTGTGAGCAA
AGAGCGCAGCTCCTCCAGG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206341 representing NM_033398
 Red=Cloning site Green=Tags(s)

MNHKSKKRIREAKRSARPELKDSLWTRHNYYESYPLNPAAVSDNVERADALQLSVKEFVERYERPYKPV
 VLLNAQEGWSAQEKWTLERLKRKYRNQKFKCGEDNDGYSVKMKMKYYIEYMESTRDDSPLYIFDSSYGEH
 PKRRKLLLEDYKVPKFFDSDLFQYAGEKRRPPYRWFVMGPPRSGTGIHIDPLGTSAWNALVQGHKRWCLFP
 TNTPRELIKVTREEEGNQDEAITWFNVIYPRTQLPTWPPEFKPLEILQKPGETVFPVGGWWHVVLNLDL
 TIAITQNFASSTNFPVWVHKTVRGRPKLSRKWYRILKQEHPELAVLADAVDLQESTGIASDSSSDSSSSSS
 SSSSDSDSECESGSEGDGTTTHRRKRRRTCSMVGNDDTTSQDDCVSKERSSSR

TRTRPLE - GFP Tag - V

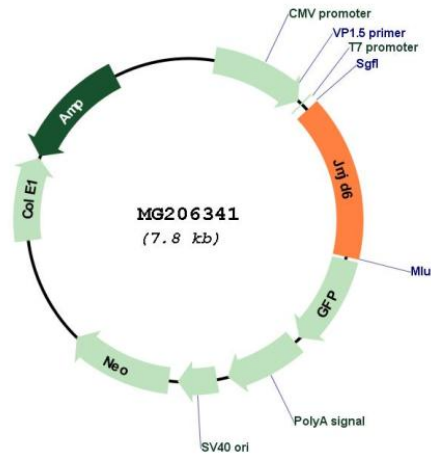
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_033398

ORF Size:	1209 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:	<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:	NM_033398.1
RefSeq Size:	1688 bp
RefSeq ORF:	1212 bp
Locus ID:	107817
UniProt ID:	Q9ERI5
Cytogenetics:	11 81.49 cM
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]