

Product datasheet for **RG208993**

JMJD6 (NM_015167) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JMJD6 (NM_015167) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	JMJD6
Synonyms:	PSR; PTDSR; PTDSR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208993 representing NM_015167 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCAAGAGCAAGAAGCGCATCCGCGAGGCCAAGCGGAGTGCGCGGCCGGAGCTCAAGGACTCGC
TGGATTGGACCCGGCACAACACTACGAGAGCTTCTCGTGAGCCCGCGGCCGTTGGCGGATAACGTGGA
AAGGGCAGATGCTTTACAGCTGTCTGTGGAAGAATTTGTGGAGCGGTATGAAAGACCTTACAAGCCCGTG
GTTTTGTTGAATGCGCAAGAGGGCTGGTCTGCGCAGGAGAAATGGACTCTGGAGCGCCTAAAAGGAAAT
ATCGGAACCAGAAGTTCAAGTGTGGTGAAGATAACGATGGCTACTCAGTGAAGATGAAGATGAAATACTA
CATCGAGTACATGGAGAGCACTCGAGATGATAGTCCCCTTTACATCTTTGACAGCAGCTATGGTGAACAC
CCTAAAAGAAGGAACTTTTGAAGACTACAAGGTGCCAAAGTTTTTCACTGATGACCTTTTCCAGTATG
CTGGGGAGAAGCGCAGGCCCCCTTACAGGTGGTTTGTGATGGGGCCACCACGCTCCGGAAGTGGATTCA
CATCGACCCTCTGGGAACCAAGTGCCTGGAATGCCTTAGTTTCAAGGCCACAAGCGCTGGTGCCTGTTTCT
ACCAGCACTCCAGGGAACATCAAAGTGACCGAGACGAAGGAGGGAACCAGCAAGACGAAGCTATTA
CCTGGTTAATGTTATTTATCCCCGGACACAGCTTCCAACCTGGCCACCTGAATTCAAACCCCTGGAAAT
CTTACAAAAACCAGGAGAGACTGTCTTTGTACCAGGAGGCTGGTGGCATGTTGTCTCAATCTCGACT
ACTATCGCCATCACCCAAAATTTTGGCAGCAGCACCAACTTCCCTGTGGTATGGACAAGACGGTAAGAG
GGAGACCAAGTTATCAAGGAAATGGTATAGGATTTTGAAGCAAGACACCCCGAGTTGGCAGTCTCGC
AGACTCGTTGACCTTACAGGAGTCCACAGGGATAGCTTCCGACAGCTCCAGCGACTCTTCCAGCTCCTCC
AGCTCCAGTTCGTGAGCTCCGACTCAGAGTGCAGTCTGGATCCGAGGGCGATGGGACAGTGCACCCGCA
GGAAGAAGAGGAGGACGTGCAGCATGGTGGGAAACGGGGACACCCTCCAGGACGACTGTGTCAGCAA
AGAGCGCAGCTCCTCCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208993 representing NM_015167
Red=Cloning site Green=Tags(s)

MNHKSKKRIREAKRSARPELKDSLWTRHNYYESFSLSPAADVADNVERADALQLSVEEFVERYERPYKPV
 VLLNAQEGWSAQEKWTLERLKRKYRNQKFKCGEDNDGYSVKMKMKYYIEYMESTRDDSPLYIFDSSYGEH
 PKRRKLLLEDYKVPKFFTDLLFQYAGEKRRPPYRWFVMGPPRSGTGIHIDPLGTSAWNALVQGHKRWCLFP
 TSTPRELIKVTRDEGGNQDEAITWFNVIYPRTQLPTWPPEFKPLEILQKPGETVFPVGGWWHVVLNLDL
 TIAITQNFASSTNFPVVWHKTVRGRPKLSRKWYRILKQHEPELAVLADSVDLQESTGIASDSSSDSSSSSS
 SSSSSDSDSECESGSEGDGTVHRRKKRRTCMVGNDDTTSQDDCVSKERSSSR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015167

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:

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_015167.3](#)

RefSeq Size: 1834 bp

RefSeq ORF: 1212 bp

Locus ID: 23210

UniProt ID: [Q6NYC1](#)

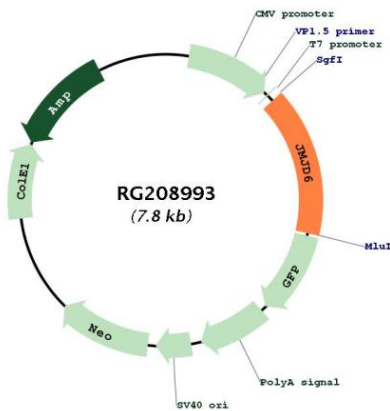
Cytogenetics: 17q25.1

Domains: JmjC

Protein Families: Druggable Genome, ES Cell Differentiation/IPS

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 was first identified as a putative phosphatidylserine receptor involved in phagocytosis of apoptotic cells; however, subsequent studies have indicated that it does not directly function in the clearance of apoptotic cells, and questioned whether it is a true phosphatidylserine receptor. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208993