

## Product datasheet for **SC127976**

### JMJD6 (NM\_015167) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JMJD6 (NM_015167) Human Untagged Clone
Tag:	Tag Free
Symbol:	JMJD6
Synonyms:	PSR; PTDSR; PTDSR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015167, the custom clone sequence may differ by one or more nucleotides

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ATGAACCAAGAGCAAGAAGCGCATCCGCGAGGCCAAGCGGAGTGCGCGCCGGAGCTCAAGGACTCGC
TGGATTGGACCCGGCACAACACTACTACGAGAGCTTCTCGCTGAGCCCGCGGCCGTGGCGGATAACGTGGA
AAGGGCAGATGCTTTACAGCTGTCTGTGGAAGAATTTGTGGAGCGGTATGAAAGACCTTACAAGCCCGTG
GTTTTGTTGAATGCGCAAGAGGGCTGGTCTGCGCAGGAGAAATGGACTCTGGAGCGCCTAAAAAGGAAAT
ATCGGAACCAGAAGTTCAAGTGTGGTGAGGATAACGATGGCTACTCAGTGAAGATGAAGATGAAATACTA
CATCGAGTACATGGAGAGCACTCGAGATGATAGTCCCCTTTACATCTTTGACAGCAGCTATGGTGAACAC
CCTAAAAGAAGGAACTTTTGGAAAGACTACAAGGTGCCAAAGTTTTTCACTGATGACCTTTCCAGTATG
CTGGGGAGAAGCGCAGGCCCTTACAGGTGGTTTGTGATGGGGCCACCACGCTCCGGAAGTGGGATTCA
CATCGACCCTCTGGAAACAGTGCCTGGAATGCCTTAGTTCAGGGCCACAAGCGCTGGTGCCTGTTTCT
ACCAGCACTCCCAGGAACTCATCAAAGTGACCCGAGACGAAGGAGGAAACCAGCAAGACGAAGCTATTA
CCTGGTTAATGTTATTTATCCCCGGACACAGCTTCCAACCTGGCCACCTGAATTCAAACCCCTGGAAAT
CTTACAAAACCAGGAGAGACTGTCTTTGTACCAGGAGGCTGGTGGCATGTTGTCCTCAATCTCGACACT
ACTATCGCCATACCCAAAATTTGCCAGCAGCACCAACTCCCTGTGGTATGGCACAAGACGGTAAGAG
GGAGACCAAAGTTATCAAGGAAATGGTATAGGATTTTGAAGCAAGAGCACCCCGAGTTGGCAGTCCCTCG
AGACTCGGTTGACCTTCAGGAGTCCACAGGGATAGCTTCCGACAGCTCCAGCGACTTTCCAGCTCCTCC
AGCTCCAGTTCGTCAGACTCCGACTCAGAGTGCGAGTCTGGATCCGAGGGCGATGGGACAGTGCACCGCA
GGAAGAAGAGGAGGACGTGCAGCATGGTGGGAAACGGGGACACCCTCCAGGACGACTGTGTCAGCAA
AGAGCGCAGCTCCTCCAGGTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_015167 unedited  TACTATAGGCGGCCGCGACATTCGCACGAGGGAGCGAAGGGCGTTTGGGTAAGTGCCTGCG  CCGCCGCCAGGCGGGGAGGGGTGCGTTAGTGTCAAGAACGCGGGCTGCGCCGAGGTCGT  AGCGGAACCAGCTGGCGACCCCGCAGAATGAACCACAAGAGCAAGAAGCGCATCCGCGAG  GCCAAGCGGAGTGCAGCGCCGGAGCTCAAGGACTCGCTGGATTGGACCCGGCACAACCTAC  TACGAGAGCTTCTCGCTGAGCCCGCGCCGTGGCGGATAACGTGGAAAGGGCAGATGCT  TTACAGCTGTCTGTGAAAGATTTGTGGNAGCGGTATGAAAGACCTTACAAGCCGTGGGT  TNTGNTGAATGCGCAAGAAAGGCTGGTCTGCGCAGGAGAAATGGACTCTGGNAGCGCTAN  NAAGGAATATNCGACCAGAAAGTCAGTGTGGNGAGATAACCATGGCACTCANGGAGATGA  AATGAATACTCATCGAGTACATGAGAGCCTCGGATGATGGTCCCCTTACATCTTGACGCA  GCTTTGTGGACACCCTAAAGAAGGAACTTTTGGAGATACAGGGCCCAAAGTTTCACTGAT  GACTTTCCATAGCTGGGAGAAACGCAGCCCTACAGGGGGTGGGGATGGGCCACCAC  GCTCCGGACTGGGATTACATCGACCTCTGGGACCAGTGCCTGGATGGCCTTANTTCGGGC  CACAGCGTGGGGCTGTTTTCTACAGCACTCCCAGGGACTCATCAAGTGACCCGAGACC  AAAGAAGGACCAGCAAGCAACTTTA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' genomic read for NM_015167 unedited  CAGGATAGCTTGGGGCAGGGTCACAGGGCATGCCACCCGGGTATCTGTTCAAGAAAACAG  CTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAAGACAGAGT  CTCGGTCTGTCACCCAGGCTGGAGTGGCTTGATCTCAGCTCACTGCAACCTCTGCCTCCT  GGGTTCAAGTGATTCTCCTGCCTGAGTTGACCAAGTAGCTGGGAGTACAGGCATGTGCCA  CCACACCTGGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTACCCTGTTGGCCAGGC  TGGTCTTGAACCTCTGACCTCAAGTGATCCACCTGCCATGGCCTCCCAAAGTGCTGGGAT  TACAGGGGTGACCCACGGCGCCTGGATTAATTTCCGTAATGACCCACAGTTTACAC  CCCCCGCTGGAGGGTGAAGCTCACCCACTCTTGTGCTAGCCGTTATATTTTGACT  CCTTCCCTTGTAGGGTAGGTGTGGCACTACCGTATTTCCCAATCTCAGACTCCCAGAC  CNGCCAGCCGCTTTAGCAGGATGACGAAGTTGTTTTCCCCCCCCCCCCCTTTTTTTTTT  CCACCCCGTNTTTACCCACCCCGCCCGCCTTCTTTTCTGCCCGCCGGGCGTTTTTA  ATCACATTGATCCCGGTTTCCCATTTTGTGATGGTACCCCGATGTCGATGGGGCCCTT  AAGGAGGTTTAGGAGTTTGGCCCCCATTTTGGCCATTAGTAAGGTTCTCCAGTCCCGT  TTTCCATTCCCGCTTTTACCCCGTCTTACCCGGGTATCCACCGCTTTTTTGGCATTG  GTGGATCACACCTTGCCTTGCACCCCCCCCTTCTCATT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015167
<b>Insert Size:</b>	5650 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>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).

**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\\_015167.1](#), [NP\\_055982.1](#)

**RefSeq Size:** 1834 bp

**RefSeq ORF:** 1119 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]

Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region and an alternate polyadenylation site, compared to variant 1. The resulting protein (isoform 2) has a shorter C-terminus, compared to isoform 1.