

JMJD7 cDNA

Catalog Number: ATGD0306

PRODUCT INFORMATION

Catalog number

ATGD0306

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001108104.1

Alternative Names**mRNA Refseq**

NM_001114632.1

OMIM**Chromosome location**

15q15.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

951bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

JMJD7 encodes a highly conserved protein with a JmjC domain, which are part of the cupin metalloenzyme superfamily. JmjC proteins may function as 2-oxoglutarate-Fe (II) -dependent dioxygenases. Most tissues also

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express read-through transcripts from this gene into the downstream phospholipase A2, group IVB (cytosolic) gene, some of which may encode fusion proteins combining the N-terminus of JMJD7 with the phospholipase A2, group IVB protein.

DATA

Sequence nucleotides

```
ATGGCGGAGGCGGCTTTGGAAGCCGTGCGGAGCGAGTTACGAGAATTCCCGGCCGCTGCAAGGGAGCTCTGCGTGCCTCT
TGCTGTGCCCTACCTGGACAAACCCCAACTCCGCTCCACTTCTACCGGGACTGGGTCTGCCCAACAGGCGCTGCATTAT
CCGCAACGCTCTGCAGCACTGGCCGGCCCTCCAGAAGTGGTCCCTCCCCTATTTACAGAGCCACAGTGGGCTCCACAGAGGT
GAGTGTGGCCGTGACCCAGATGGTTACGCGGATGCCGTGAGAGGGGATCGCTTCATGATGCCAGCTGAGCGCCGCCTGC
CCCTGAGCTTCGTGCTGGATGTGCTGGAGGGCCGGGCCAGCACCTGGAGTCCTCTATGTGCAGAAGCAGTGCTCCAAC
CTGCCCAGCGAGCTGCCCCAGCTGCTGCCTGATCTGGAATCCCATGTGCCCTGGGCCTCCGAAGCCCTGGGAAAGATGCC
CGATGCTGTGAACTTCTGGCTGGGGGAGGCGGCTGCAGTGACTTCTTTGCACAAGGACCACTATGAGAACCTCTACTGCGT
GGTCTCAGGAGAGAAGCATTTCCTGTTCCATCCGCCAGCGACCGGCCCTTCATCCCCTATGAGCTGTACACGCCGGAAC
CTACCAGCTAACTGAAGAGGGCACCTTTAAGGTGGTGGATGAAGAGGCCATGGAGAAGGTGCCCTGGATCCCACTGGACC
CCTTGGCGCCAGACCTAGCACGGTACCCTAGTTACAGTCAGGCCAGGCCCTTCGCTGCACGGTGCGGGCCGGTGAGATG
CTCTATCTGCCGGCTCTGTGGTTCCACCACGTCCAGCAGTCCCAGGGCTGCATCGCAGTGAATTTCTGGTATGACATGGAAT
ACGACCTCAAGTATAGTTACTTCCAGCTGCTCGACTCCCTACCAAGGCTTCAGGCCTTGACTGA
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Transaction Sequence

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MAEAALEAVR SELREFPAAA RELCVPLAVP YLDKPPTPLH FYRDWVCPNR PCIIRNALQHWPALQKWSLP YFRATVGSTE
VSVAVTPDGY ADAVRGDRFM MPAERRPLS FVLVDLEGRAQHPGVLYVQK QCSNLPSELP QLLPDLESHV PWASEALGKM
PDAVNFWLGE AAVTSLHKDHYENLYCVVS GEKHFLFHPP SDRPFIPYEL YTPATYQLTE EGTFKVVDEE
AMEKVPWIPLDPLAPDLARY PSYSQAQALR CTVRAGEMLY LPALWFHHVQ QSQGCIAVNF WYDMEYDLKYSYFQLLDSLT
KASGLD
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