

## DPPA3 cDNA

Catalog Number: ATGD0288

### PRODUCT INFORMATION

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**Catalog number**

ATGD0288

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_954980.1

**Alternative Names**

Developmental pluripotency associated 3, DPPA3, STELLA

**mRNA Refseq**

NM\_199286.3

**OMIM**

608408

**Chromosome location**

12p13.31

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

480bp

**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**

**DPPA3 cDNA**

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DPPA3 encodes a protein that in mice may function as a maternal factor during the preimplantation stage of development. In mice, this gene may play a role in transcriptional repression, cell division, and maintenance of cell pluripotentiality. In humans, related intronless loci are located on chromosomes 14 and X.

**DATA**

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**Sequence nucleotides**

```
ATGGACCCATCACAGTTTAATCCAACCTACATCCCAGGGTCTCCACAAATGCTCACCGAAGAAAATTCCCGGGACGATTCAG
GGGCCTCTCAAATCTCCTCCGAGACGTTGATAAAGAACCTTAGTAACTTGACTATCAACGCTAGTAGCGAATCTGTTTCCCCT
CTATCGGAAGCTTTACTCCGTCGAGAGTCTGTAGGAGCAGCAGTCCTCAGGGAAATCGAAGATGAGTGGCTTTACAGCAGG
AGAGGAGTAAGAACATTGCTGTCTGTGCAGAGAGAGAAAAGATGGCAAGATTGAGATACATGTTACTCGGCGGAGTTCGTACG
CATGAAAGAAGACCAACAAACAAGGAGCCTAAGGGAGTTAAGAAGGAATCAAGACCATTCAAATGTCCCTGCAGTTTCTGC
GTGTCTAATGGATGGGATCCTTCTGAGAATGCTAGAATAGGGAATCAAGACACCAAGCCACTTCAGCCATAA
```

**Transaction Sequence**

```
MDPSQFNPTY IPGSPQMLTE ENSRDDSGAS QISSETLIKN LSNLTINASS ESVSPLSEAL LRRESVGAAV LREIEDEWLY
SRRGVRTLLS VQREKMARLR YMLLGGVVRTH ERRPTNKEPK GVKKESRPFK CPCSFCVSNG WDPSENARIG NQDTKPLQP
```