

POU6F1 cDNA

Catalog Number: ATGD0487

PRODUCT INFORMATION

Catalog number

ATGD0487

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002693.3

Alternative Names

BRN5, MPOU, TCFB1

mRNA Refseq

NM_002702.3

OMIM**Chromosome location**

12q13.13

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

906bp

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 inserted BamH 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

POU6F1 belongs to the POU transcription factor family. This protein is transcription factor that binds

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preferentially to a variant of the octamer motif (5'-ATGATAAT-3'). In the embryo, it is expressed exclusively in the developing brain, whereas in the adult its expression is restricted to brain, heart, skeletal muscle and lung. In the brain, the highest expression levels are found in specific cell layers of the cortex, the olfactory bulb, the hippocampus and the cerebellum.

DATA

Sequence nucleotides

```
ATGCCAGGGATCAGCAGTCAGATCCTCACCAATGCTCAGGGACAGGTTATTGGAACCCCTTCCATGGGTAGTGAAGTCAAGT
AGTGTGGCGGCCCCAGCACCAGCCCAAGCCTGCAGGTCCAGGCCGTGACCCCCAGCTGTTGTTGAACGCCAGGGCCA
GGTGATTGCGACCCTGGCTAGCAGCCCCCTGCCTCCACCTGTGGCTGTCCGGAAGCCAAGCACACCTGAGTCCCCTGCTAA
GAGTGAGGTGCAGCCCATCCAGCCCACACCAACCGTGCCCCAGCCTGCTGTGGTCATTGCCAGCCCAGCTCCAGCCGCCA
AGCCATCTGCCTCTGCTCCTATCCCAATTACCTGCTCAGAGACCCCCACCGTCAGCCAGTTGGTGTCCAAGCCACATACTCC
AAGTCTGGATGAGGATGGGATCAACTTAGAAGAGATCCGGGAGTTTGCCAAGAAGTTTAAGATCCGGCGGGCTCTCGCTGGG
CCTTACACAGACCCAGGTGGGTGAGGCTCTGACTGCAACGGAAGGTCCAGCCTACAGCCAGTCAGCCATCTGCCGGTTCGA
GAAGCTAGACATCACACCCAAGAGTGCCAGAAAGCTAAAGCCGGTGCTGGAAAAGTGGCTAAACGAAGCTGAAGTGCAGGA
ACCAGGAAGGCCAGCAGAACCTGATGGAGTTTGTGGGAGGCGAGCCCTCCAAGAAACGCAAACGCCGCACCTCCTTCACC
CCCCAGGCCATAGAGGCTCTCAATGCCTATTTTGAGAAGAACCCACTGCCACAGGCCAGGAGATCACTGAAATTGCTAAG
GAGCTCAACTACGACCGTGAGGTAGTGCGGGTCTGGTTCTGCAATCGGCGCCAGACGCTCAAGAACACCAGCAAGCTGAA
CGTCTTTCAGATCCCTTAG
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Transaction Sequence

```
MPGISSQILT NAQGQVIGTL PWVVSASVA APAPAQSLQV QAVTPQLLN AQGQVIATLASSPLPPVAV RKPSTPESPA
KSEVQPIQPT PTVQPAAVVI ASPAPAAKPS ASAPIPITCSETPTVSQLVS KPHTPSLDED GINLEEIREF AKNFKIRRLS
LGLTQTQVGQ ALTATEGPAYSSAICRFK LDITPKSAQK LKPVLEKWLN EAEARNQEGQ QNLMEFVGGE
PSKKRKRRTSFTPQAIEALN AYFEKNPLPT GQEITEIAKE LNYDREVVVRV WFCNRRQTLK NTSKLNQVFQIP
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