

## KLF7 cDNA

Catalog Number: ATGD0490

### PRODUCT INFORMATION

---

**Catalog number**

ATGD0490

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_003700.1

**Alternative Names**

UKLF

**mRNA Refseq**

NM\_003709.2

**OMIM**

604865

**Chromosome location**

2q32

### PRODUCT SPECIFICATION

---

**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

909bp

**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 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**

## KLF7 cDNA

Catalog Number: ATGD0490

KLF7 is a member of the Kruppel-like transcriptional regulator family. Members in this family regulate cell proliferation, differentiation and survival and contain three C2H2 zinc fingers at the C-terminus that mediate binding to GC-rich sites. A pseudogene of KLF7 is located on the long arm of chromosome 3. Alternative splicing results in multiple transcript variants.

### DATA

---

#### Sequence nucleotides

```
ATGGACGTGTTGGCTAGTTATAGTATATTCCAGGAGCTACAACCTGTCCACGACACCGGCTACTTCTCAGCTTTACCATCCCT
GGAGGAGACCTGGCAGCAGACATGCCTTGAATTGGAACGCTACCTACAGACGGAGCCCCGGAGGATCTCAGAGACCTTTG
GTGAGGACTTGGACTGTTTCCTCCACGCTTCCCCTCCCCCGTGCATTGAGGAAAGCTTCCGTCGCTTAGACCCCCTGCTGCT
CCCCGTGGAAGCGGCCATCTGTGAGAAGAGCTCGGCAGTGGACATCTTGCTCTCTCGGGACAAGTTGCTATCTGAGACCTG
CCTCAGCCTCCAGCCGGCCAGCTCTTCTCTAGACAGCTACACAGCCGTCAACCAGGCCAGCTCAACGCAGTGACCTCATT
AACGCCCCCATCGTCCCCTGAGCTCAGCCGCCATCTGGTCAAAACCTCACAAACTCTCTCTGCCGTGGATGGCACGGTGAC
GTTGAAACTGGTGGCCAAGAAGGCTGCTCTCAGCTCCGTAAAGGTGGGAGGGGTCGCAACAGCTGCAGCAGCCGTGACGG
CTGCGGGGGCCGTTAAGAGTGGACAGAGCGACAGTGACCAAGGAGGGCTAGGGGCTGAAGCATGTCCCGAAAACAAGAA
GAGGGTTCACCGCTGTCAGTTTAACGGGTGCCGAAAGTTTATACAAAAGCTCCCACTTAAAGGCCACCAGAGGACTCA
CACAGGTGAGAAGCCTTATAAGTGCTCATGGGAGGGATGTGAGTGGCGTTTTGCACGAAGCGATGAGCTCACGAGGCACT
ACAGGAAACACACAGGTGCAAAGCCCTTCAAATGCAACCACTGCGACAGGTGTTTTTCCAGGTCTGACCATCTTGCCCTCA
CATGAAGAGACATATCTAA
```

#### Transaction Sequence

```
MDVLASYSIF QELQLVHDTG YFSALPSLEE TWQQTICLELE RYLQTEPRRI SETFGEDLDCFLHASPPPCI EESFRRLDPL
LLPVEAAICE KSSAVDILLS RDKLLSETCL SLQPASSSLDSYAVNQAQL NAVTSLTPPS SPELSRHLVK TSQTL SAVDG
TVTLKLVAKK AALSSVKVGGVATAAAVTA AGAVKSGQSD SDQGG LGAEA CPENKRVHR CQFNGCRKVY
TKSSHLKAHQRTHTGKPYK CSWEGCEWRF ARSDELTRHY RKHTGAKPFK CNHCDFCFR SDHLALHMKRHI
```