

Product datasheet for **RC227864**

ZNF780A (NM_001142579) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF780A (NM_001142579) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZNF780A
Synonyms: ZNF780
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC227864 representing NM_001142579
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGAGAAGCCCGAGGAAGATTGACCAGTTTTGTAATTCTAGCAACATGGTCCATGGATCAGTGACAT
 TCAGGGATGTGGCATTGACTTCTCTCAGGAGGAGTGGGAGTGCCTGCAGCCTGATCAGAGGACCTTGTA
 CAGGGATGTGATGTTGGAGAACTACAGCCACCTGATCTCACTGGGAAGTTCCATTCTAAACCAGATGTA
 ATTACGTTACTAGAGCAAGAGAAAGAGCCCTGGATGGTTGTAAGGAAAGAAACAAGCAGACGGTATCCAG
 ATTTGGAGTTAAATATGGACCTGAGAAAGTATCTCCAGAAAATGATACCTCTGAAGTAAATTTACCCAA
 ACAGATTTCTTATTGGCTTCAAACCATCTTTTACAGCTATTATCAATCAAGGAGAATCCATTGCAGA
 ATCTGCATTGCATTGTTATCTCTCTTGTAGTATTGTAGCCTGGAAATCCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227864 representing NM_001142579
 Red=Cloning site Green=Tags(s)

MGRSPRKIDQFCNSSNMVHGSVTFRDVAIDFSQEEWECLQPDQRTLYRDVMLENYSHLISLGSSISKPDV
 ITLLEQEKEPVMVVRKETSRRYPDLKLYGPEKVSPENDTSEVNLPKQISSLASKPSFTAIHQRIHCR
 ICIAFGYLSLVYCSLEIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

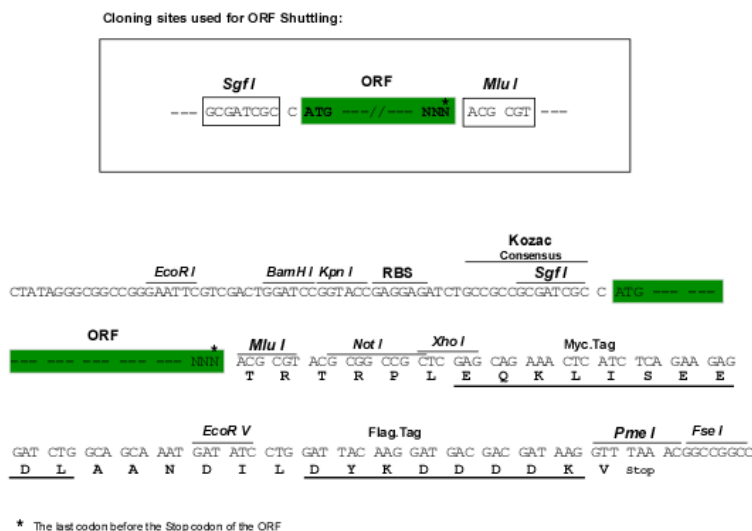
Chromatograms: https://cdn.origene.com/chromatograms/ja1253_a07.zip



View online »

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001142579

ORF Size: 474 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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_001142579.2](#)

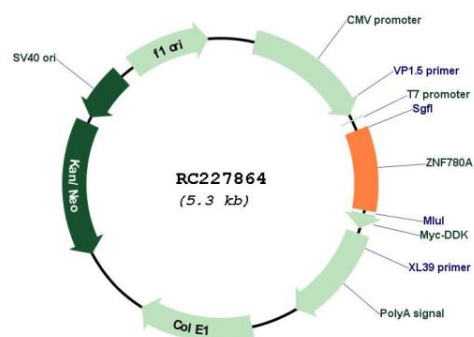
RefSeq ORF: 477 bp

Locus ID: 284323

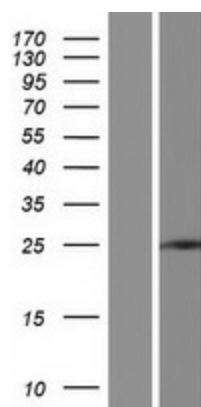
UniProt ID: O75290

Cytogenetics: 19q13.2
MW: 18.1 kDa
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227864



Western blot validation of overexpression lysate (Cat# [LY428189]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227864 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).