

Product datasheet for RC201028

ZNF593 (NM_015871) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF593 (NM_015871) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZNF593
Synonyms: ZT86
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201028 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGCGAAGCGGGCGGCCGACTTGGATGAGATTCACCGCGAGCTGCGGCCTCAGGGATCCGCAC
 GACCCAGCCCGACCAAACGCGAGTTCGACCCGACCTGCCAGGGGGCGGTCTGCACCGCTGTCTGGC
 CTGCGCGAGGTACTTCATCGATTCCACCAACCTGAAGACCCACTCCGATCCAAAGACCACAAGAAAAGG
 CTGAAGCAGCTGAGCGTCGAGCCCTACAGTCAGGAAGAGGCGGAGAGGGCAGCGGTATGGGATCCTATG
 TGCCCCCAGGGCGCTGGCAGTCCCGAAGTGCCACTGAGGTCCCTGAGATGGATACCTCTACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201028 protein sequence
 Red=Cloning site Green=Tags(s)
 MKAKRRRPDLDEIHRELRPQGSARPQDPNAEFPDLPGGGLHRLCLACARYFIDSTNLKTHFRSKDHKKR
 LKQLSVEPYSQEEAERAAGMGSYVPPRRLAVPTEVSTEVPEMDTST

TRTRPLEQK**L**ISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6576_d11.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_015871

ORF Size: 348 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_015871.3](#)

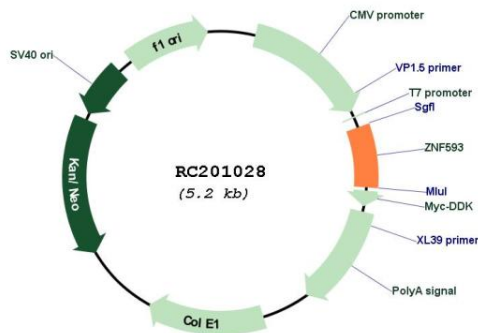
RefSeq Size: 653 bp

RefSeq ORF: 405 bp

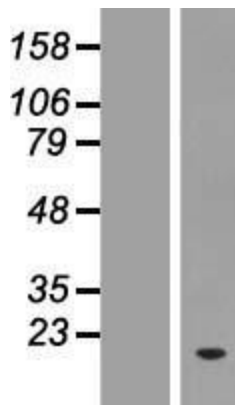
Locus ID: 51042

UniProt ID: O00488
Cytogenetics: 1p36.11
Protein Families: Stem cell - Pluripotency, Transcription Factors
MW: 13.2 kDa
Gene Summary: Negatively modulates the DNA binding activity of Oct-2 and therefore its transcriptional regulatory activity. Could act either by binding to DNA octamer or by interacting with Oct-2. May also be a modulator of other octamer-binding proteins.[UniProtKB/Swiss-Prot Function]

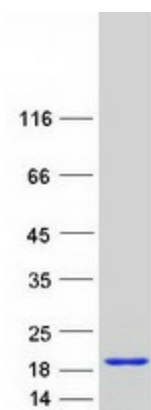
Product images:



Circular map for RC201028



Western blot validation of overexpression lysate (Cat# [LY414341]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201028 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZNF593 protein (Cat# [TP301028]). The protein was produced from HEK293T cells transfected with ZNF593 cDNA clone (Cat# RC201028) using MegaTran 2.0 (Cat# [TT210002]).