

Product datasheet for **RC226696**

ZNF880 (NM_001145434) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZNF880
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC226696 ORF sequence, **codon optimized**.

Due to the complexity of NM_001145434, the ORF clone is codon optimized for mammalian Expression.

The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCGAAGAGGACATCTGGCCTTCAGAGACGTCGCAATCGAATTTCCACAGGAGGAGTGAAGTGTC
TGGATCCTGCGCAGCGAACGTTGTACCGCAGGTGATGGTCGAAAACATCGCAACCTGGTCTTCTGGG
CATCTGTCTTCCAGATCTGTCTGTTATTTCCATGCTCGAACAGAGACGAGATCCCCGGAACCTCCAGTCA
GAAGTGAAGATTGCGAATAATCCGGGAGGGCGGAATGCATCAAGGGGGTGAACGCAGAGTCCTCATCAA
AGCTGGGCTCCAACGCCGGCAACAAATCCCTGAAAAACAGCTGGGGCTGACTTCCAGCTGCACCTCTC
AGAGCTGCAGCTGTTTCAAGCGGAACGGAATATCAGCGGTTGAAGCATGTTGAGAAACCTATTAACAAT
TCACTGGTGAGCCCACTTCAAAGATATACTCAAGTGTCAAAGCCATATTCTCAACAAATATAGGAACG
ATTTGACGATTCCCGTTTCTGCCCAAGAGCAGAAGGCCAGATCCGCGAGAAACCTTGTAATGCAA
CGAGCATGGGAAGGCATTAGAGTGTCAAGCAGGCTTGCGAACAATCAGGTGATCCATACGGCAGATAAC
CCTTATAAGTGTAATGAATGTGATAAGTTTTCTCAAATTCAGCAACCTGGTGCAGCACCAGAGGATCC
ACACCGGGGAGAAACCATACAAGTGTACGAATGCGGGAACTTTTCAACCGAATCTCTGCTTGCGCG
GCACACGCGCATTACTGGCGAAAAGCCCTACAAGTGCCATGAGTGTGAAAAGTATTCACACAGAAT
TCCCACCTGGCAAACACACCGAATTACACGGGCGAAAAGCCTTATAAGTGAACGAATGTGGCAAAG
TGTTCAATCGCAACGCTCACCTTGCCCGCCATCAGAAAATCCAATCAGGGGAGAAGCCATACAAGTGCAA
AGAATGCGGAAGGCATTCTCAGCGGTTTCAAGCCTCACCGCGCACCTGGTGATTACACAGGAGAGAAG
CTGTATAAGTGCAATAAGTGGGAAAGTGTTTAAAGGAATGCACATCGACCCGGCATCAACGCATCC
ATACCGGCGAGAAACCTATGAGTGCAAAAGAGTGGCGCAAAGTGTTTCGGCACAAATTTGTCTGACCAA
TCACCATAGGATGCATACCGGTGAACAGCCTTACAAATGCAATGAGTGGGAAAAGCCTTCCGAGACTGC
TCCGGTCTGACTGCACATTTGCTCATCCATACCGGCGAGAAGCCCTACAAGTGAAGGAGTGCCTAAGG
TGTTTCGGCACCGGCTTTCCCTGAGTAATCACCAGAGATTCACACTGGTGAGAAGCCGTATCGCTGTGA
CGAGTGGCGCAAAGATTTTACACGCAACTCCAATCTCGCCAAACCATAGGATTACACCGGAGAGAAA
CCATATAAGTGCTCAGAATGCCATAAAGTTTTAGTCACAACAGCCACCTTGACCGGCATAGACAGATCC
ACACCGGTGAAAAGTCTTACAAGTGAACGAATGCGGCAAAGTGTTCTCCCAAACTCTATCTTAAGAA
ACATGAAAGGATCCACTGGCGAGAAGCCATACCGGTGCCATGAGTGGGTAAAGGACTTTACACGCAAT
AGCAACCTGGCTAACCAACATCGAATTACACAGGGGAAAAACCTATCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226696 representing NM_001145434

Red=Cloning site Green=Tags(s)

MLRRGHLAFRDVAIEFPQEEWKCLDPAQRTL YREVMVENYRNL VFLGICLPDLSVISMLEQRRDPRNLQS
EVKIANPNPGGREGIKGVNAESSKLGSNAGNLSLKNQLGLTFQLHLSELQLFQAERNISGCKHVEKPINN
SLVSPQLQKIYSSVKSHILNKYRND FDDSPFLPQEQAQIREKPCECNEHGKAFRVSSRLANNQVIHTADN
PYKCNECDKVF SNSSNLVQHRIHTGEKPYKCHECGKLFNRISLLARHQRIHTGEKPYKCHECGKVFTQN
SHLANHHRIHTGEKPYKCNECGKVFNRNHLARHQIHSGEKPYKCECGKAFSGGSGLTAHLVIHTGEK
LYCKNCKGVFNRNAHLTRHQRIHTGEKPYECKEKGKVF RHKFC LTNHHRMHTGEQPYKCNECGKAFRDC
SGLTAHLLIHTGEKPYKCECAKVFRHRLSLSNHQRFHTGEKPYRDECGKDFTRNSNLANHHRIHTGEK
PYKCSECHKVFSHNSHLARHQIHTGEKSYKCNECGKVF SHKL YLKKHERIHTGEKPYRCECGKDFTRN
SNLANHHRIHTGEKPYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145434

ORF Size: 1731 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:

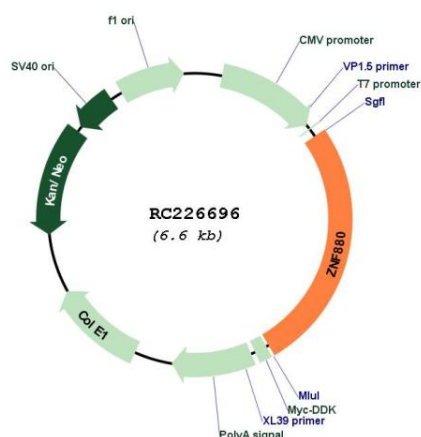
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001145434.1](#), [NP_001138906.1](#)

RefSeq Size: 2258 bp
RefSeq ORF: 1734 bp
Locus ID: 400713
UniProt ID: [Q6PDB4](#)
Cytogenetics: 19q13.41
MW: 66.8 kDa

Product images:



Circular map for RC226696