

Product datasheet for **RC225578**

ZNF883 (NM_001101338) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZNF883
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC225578 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001101338, 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**CGCATCGC**

ATGGAGTCCGAAAAGATCTATATGACCGCTAACCCATATCTCTGTACCGAATGTGGCAAGGGGTACACCT
 GCCTGGCCTCCCTCACTCAGCATCAGAAGACACACATTGGTGAGAAACCTTATGAATGTAAGATTGCGG
 CAAAAGCTTCACTCGCAATTCCAACCTCGTACAGCACCAGCGAATCCACACAGGCGAGAAACCTTACGAA
 TGTAATGAATGCGGAAAGGCGTTTAGTCAATCTACTAATCTGATACAGCACCAGCGAGTCCATACAGGAG
 AGAAGCCCTATGAGTGTAACGAGTGCGAGAGAAACCTTCAGCCACCGCAGTTCTCTGAGAAATCATGAGAG
 AATCCATACAGGCGAAAAACCGTACCCGTGCAACGAGTGCGGGAAGCCTTCTCTCATATCAGCGCCCTG
 ACACAACACCACCGCATACATACAGGAAAGAAGCCGTACGAGTGTACTGAGTGTGGGAAGACATTTAGTC
 GATCAACACATCTTATCGAACACCAGGGGATCCATAGCGAGGAGAAATCTTATCAGTGCAACAGTGTA
 AAAAGTGTTTTGTCACTCTACCAGCCTGATACGGCACCAGCGCACACATACAGGGGAGAAGCCTTACGAG
 TGTAATGAGTGTGGGAAGGCATTTAGCCACACCCAGCTTTTCATCCAGCACCAGAGAATCCACACCGGCG
 AAAAGCCCTACGAATGCAATGCATGTGGGAAGGCGTTAACAGGTCCGCTCACCTGACGGAACATCAGAG
 AACTCATACAGGTGAGAAGCCTTACGTTTGTAAAGGAGTGCGGGAACGTTACGAGAGAGTACGCACCTT
 ACAGAGCACCTCAAAATCCACAGTTGTGTTAAGCCCTACCAGTGCAACGAGTGCCAGAAGCTGTTTTGTT
 ATCGGACCTCATTGATTCGGCATCAACGAACCTCACACAGGCGAAAAACCATACAGTGCAATGAGTGCAG
 AAAGTCCTTCAGTCTGTCCAGCGCCTTGACCAACACAAGAGAATACACACCCGCGAGCGCCCATATCAG
 TGTACCAAGTGCGCGATGTCTTGCCACTCTACTAGCTTGATACGACATCAGAAGACACATTTAGGA
 AAGAAACCCTTGCTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

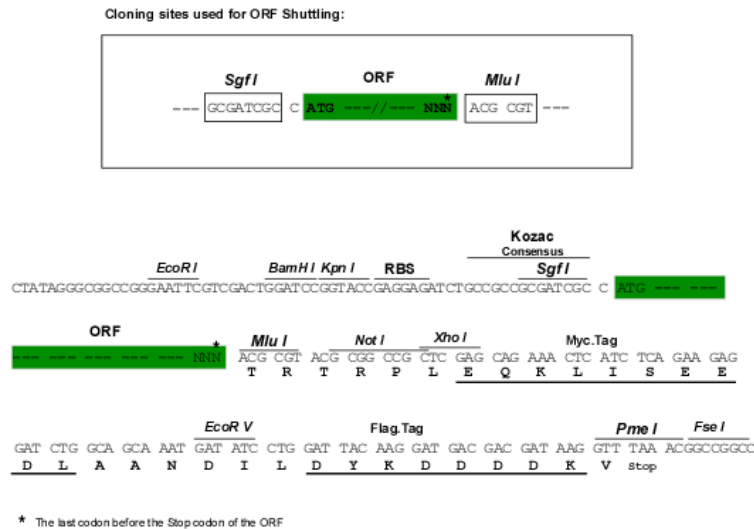
Protein Sequence: >RC225578 representing NM_001101338
 Red=Cloning site Green=Tags(s)

MESEKIYMTANPYLCTECGKYTCLASLTQHQTHTHIGEKPYECKICGKSFTRNLSLVQHQRHTGKPYE
 CNECGKAFSQSTNLIQHQRVHTGKPYECNECEKTFSHRSSLRNHERIHTGKPYPCNECGKAFSHISAL
 TQHHRIHTGKKPYECTECGKTFSRSTHLIEHQGIHSEEKSYQCKQCRKVFCHSTSLIRHQRHTHTGKPYE
 CNECGKAFSHTPAFIQHQRHTGKPYECNACGKAFNRSALHTHQRTHTGKPYVCKEKGKTFSRSTHL
 TEHLKIHSCVKPYQCNECQKLFYRTSLIRHQRHTHTGKPYQCNECGKSFSLSALTKHKRIHTRERPYQ
 CTKCGDVFCSTSLIRHQTHTFRKETLAE

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001101338

ORF Size: 1137 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).

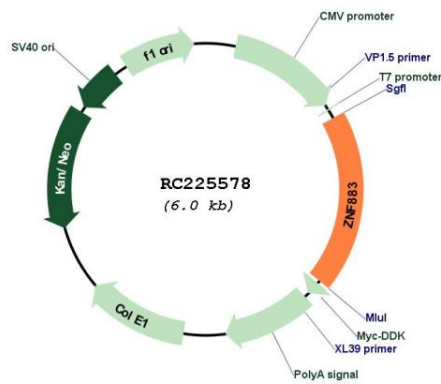
Reconstitution Method:

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_001101338.1](#), [NP_001094808.1](#)

RefSeq Size:	2379 bp
RefSeq ORF:	1140 bp
Locus ID:	169834
UniProt ID:	P0CG24
Cytogenetics:	9q32
MW:	44 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for RC225578