

Product datasheet for **RC227859**

ZNF780A (NM_001142578) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF780A (NM_001142578) 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)



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ORF Nucleotide
Sequence:

>RC227859 ORF sequence, codon optimized.
Due to the complexity of NM_001142578, 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)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTACAGGTAGTGTGACTTTCCGAGATGTCGCAATTGATTTAGCCAAAGAAGAATGGGAATGCCTCC
AGCCCGACCAACGGACCCTCTATAGAGATGTCATGCTCGAAAACACTCTCACCTGATCAGTCTTGGCAG
CAGTATCTCAAACCCGACGTCATTACCCTTCTCGAGCAAGAGAAGGAGCCCTGGATGGTGTGCGCAA
GAAACCTCTAGACGGTACCCAGATCTTGAAGTGAAGTACGGACCAGAAAAAGTGTCCCGAAAAATGATA
CAAGCGAGGTGAACCTGCCAAAGCAGGTATAAAGCAGATTTCCACGACCCTCGGCATCGAGGCGTTTTA
TTTTAGAAACGATAGTGAATACAGACAGTTCGAGGGATTGCAGGGCTACCAAGAAGGTAATATTAACCGAG
AAGATGATCAGCTACGAAAAGCTTCCCACCCATACTCCCATGCAAGCCTGATCTGTAACACACACAAGC
CCTATGAGTGAAGGAGTGTGGCAAGTACTTCTCCCGCAGCGCAACCTGATCCAGCATCAGTCCATTCA
CACAGGAGAGAAGCCATTTGAATGCAAGGAGTGCAGAAAAGCTTTCCGACTGCACATTCAATTTACGCGC
CACAAAAGTTCCACACTGGCGAAAACCATTTGAGTGTAAAGGAGTGCAGGAAAGCCTTTTCCCTGTTGA
CCCTGCTTAATAGGCATAAAAAATCCACACCGCGGAGAAGCTTTCGAGTGTAAAGGAGTGTGGCAAGTC
ATTTAACCGGTCAAGTAACTGGTCCAGCATCAGAGATTTCATTGAGGAGTGAAGCCCTACGAATGCAAG
GAGTGCAGCAAGGGTTCAACCGGGGGCCATCTGATCCAGCACCAGAAGATCCATTCCAATGAAAAGC
CTTTCGTCTGTAAGAGTGTGGTATGGCCTTTAGATACCATATCAGCTGATAGAACATTGTCAGATTCA
CACCGGCGAGAAACCTTTGAGTGTAAAGAGTGCAGGAAAGCCTTCACTCTGTTGACAAAGCTCGTGAGG
CATCAGAAAATCCACACCGCGGAAAACCTTTTGAATGCCGAGAATGTGGAAAAGCCTTCTCACTCCTTA
ACCAGCTGAATCGGCATAAGAACATTATACAGGGGAGAAGCCTTTTGAAGTGTAAAGGATGCGGCAATC
ATTTAATCGTCAAGTAACTTGGTACAACATCAGTCCATCCATGCCGGTATTAAGCCTTACGAGTGTAAAG
GAGTGTGGCAAGGGATTCAACCGCGGAGCCATCTGATCCAGCATCAGAAGATTCATCAATGAAAAC
CTTTCGTCTGTGGGAGTGCAGATGGCATTCCGGTATCATTGCCAGCTGATCGAACATAGTCGGATCCA
CACGGGCGATAAGCCCTTTGAGTGTCAAGACTGTGGCAAAGCATTCAACAGGGGGTCTTCACTCGTGAG
CATCAGAGCATCCACACGGGGGAGAAGCCGTATGAGTGCAAAGAGTGTGGAAAAGCCTTCCGCCTTACC
TGCAGCTGTCCCAGCACCAGAAAACCTATACCGGCGAGAAAACCGTTTCAATGTAAGGAGTGCAGAAAAGT
TTTCAGGAGGGGCTCAAACCTGAATCAACACCGCTCAATCCATACCGGAAAAGAAGCCTTTTGAAGTGAAG
GAGTGCAGGAAAAGCTTTTAGGCTCCATATGCATTTGATACGGCACAAAAGCTCCATACTGGAGAAAAAC
CTTTCGAGTCAAAGAGTGCAGCAAGGCCTTCAAGCTGCACATGCAGCTCATTGACACCAGAAGTTGCA
CACAGGCGAGAAGCCTTTTGAATGCAAAGAATGCGGAAAAGTCTTCAGCCTTCCCACTCAGCTCAACCGC
CATAAGAACATTCACACTGGCGAGAAAAGCGAGT

ACGCGTACGCGGCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227859 representing NM_001142578
Red=Cloning site Green=Tags(s)

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MVHGSVTRFDVAIDFSQEEWECLQPDQRTL YRDVMLENYSHLISLGSSISKPDVITLLEQEKEPMMVVRK
ETSRYPDLELKYGPEKVSPENDTSEVNLPKQVIKQISTTLGIEAFYFRNDSEYRQFEGLQGYQEGNINQ
KMI SYEKLPTHTPHASL ICNTHKPYECKECKGYFSRSANLIQHQSIIHTGEKPFECKECKGAFRLHIQFTR
HQQFHTGEKPFECNECGKAF SLL TLLNRHKNIHTGEKLFECKECKGSFNRSSNLVQHQSIIHSGVKPYECK
ECGKGFNRGAHLIQHQKIH SNEKPFVCKE CMAFRYHYQLIEHCQIHTGEKPFECKECKGAF TLLTKLVR
HQQIHTGEKPFECRECGKAF SLLNQLNRHKNIHTGEKPFECKECKGSFNRSSNLVQHQSIIHAGIKPYECK
ECGKGFNRGAHLIQHQKIH SNEKPFVCRECEMAFRYHCQLIEHSRIHTGDKPFECQDCGAFNRGSSLVQ
HQSIIHTGEKPYECKECKGAFRL YLQLSQHQKTH TGEKPFECKECKGKFFRRGSNLNQHSRIHTGKPKFECK
ECKGAFRLHMLIRHQKLHTGEKPFECKECKGAFRLHMQ LIRHQKLHTGEKPFECKECKGVFSLPTQLNR
HKNIHTGEKAS
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001142578

ORF Size: 1923 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_001142578.1](#), [NP_001136050.1](#)

RefSeq Size: 3612 bp

RefSeq ORF: 1926 bp

Locus ID: 284323

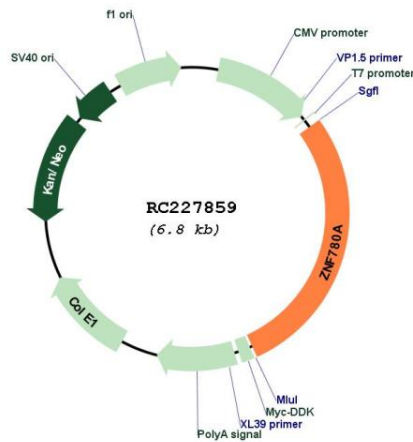
UniProt ID: [O75290](#)

Cytogenetics: 19q13.2

MW: 74.5 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227859