

Product datasheet for **RC214988**

ZNF780B (NM_001005851) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF780B (NM_001005851) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF780B
Synonyms:	ZNF779
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC214988 ORF sequence, **codon optimized**.
Due to the complexity of NM_001005851, 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)

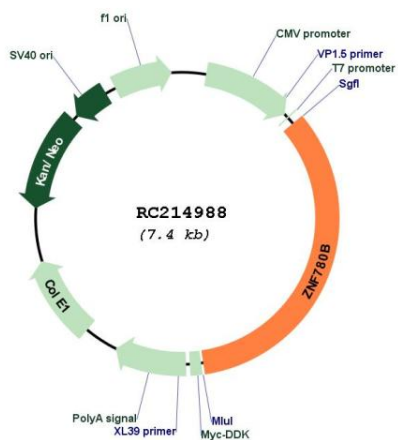
TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGTGCACGGCAGTGTGACGTTTCGGGATGTGGCAATTGATTTTCAGTCAAGAAGAATGGGAATGTCTCC
 AGCCCGACCAAAGGACTCTTTATCGAGATGTGATGCTGGAGAATTATTCACACCTTATCTCTCTGGGAAG
 CTCTATCTCCAAGCCCGACGTGATAACGCTGCTCGAGCAGGAAAAGGAGCCATGGATCGTGGTGAGCAAG
 GAAACCAGCCGCTGGTATCCTGACCTGGAGTCCAATATGGACCGGAGAAGATCTCCCAGAAAACGATA
 TTTTCGAGATTAACCTTCTAAACACGTTATCAAACAGATATCCAAAACCTTGGGTTTGGAGGCTTTTTA
 CTTCCGAAACGATTCAAGATACAGGTCTAGGTTTCGAGGGCCGCCAGGGCCACCAGGAGGGTTATATAAAC
 CAAAAATCATCTCCTATGAAGAGATGCCGGCCTACACCCACGCCAGTCCAATCCACAATACCCACAAGC
 CTTACGAATGCAAAGAGTGCAGAAAGTATTTAGCTGCGGCTCTAACCTCATTACGACCAAAGTATACA
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 CATCAAAGTTCATACTGGAGAAAAACATTTGAATGTAAGGAGTGTGGTAAGGCCTTCAACCTTCTTA
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 CTTCAACAGAAGCTCTAATCTCACTCAGCACCAGAGCATCCACGCTGGCGTCAAACCTACCAGTGAAG
 GAATGTGGCAAAGCATTCAACCGGGCTCTAACTTGATTGAGCATCAGAAGATACACTCCAATGAGAAGC
 CCTTCGTGTGCCGGGAGTGTGAGATGGCTTTTAGGTATCACTACCAGCTGATAGAGCACTGCAGGATTCA
 CACCGGCGAAAAACCTTCGAGTGTAAAGAGTGCAGGAAAGCATTACCCTGCTGACTAAACTGGTTAGG
 CACCAGAAGATACATATGGGTGAGAAACCTTCGAATGCAGAGAATGTGGTAAAGCGTTTTTCATTGCTGA
 ATCAGCTCAACCGGCACAAGAATATCCATACAGGCGAGAAGCCATTTGAATGCAAAGAATGCGGCAAGTC
 CTTCAACCGCTCCTCAAACCTTGATCCAGCATCAATCTATTCATGCCGATGTCAAACCTATGAGTGAAG
 GAGTGTGGTAAAGGATTCACACCGGGGCTAACCTCATCCAGCACCAGAAGATACACTCTAACGAGAAAC
 CTTTTGTCTGCAGAGAGTGTAAATGGCATTCCGGTATCATTATCAGCTGATTCAACACTGCCAAATCCA
 TACGGGAGGAAAAACCTTCGAATGCAAGGAGTGTGGGAAAGCCTTTTCCCTGTTGACCCAGCTTGCTCGA
 CAAAAAACATTCACACGGGGGAGAAGCCCTTTGAGTGCAAAGACTGCGGCAAGGCGTTCAATAGGGGGT
 CCAATCTGGTACAACACCAAGTCCATACACACCGGAGAGAAGCCCTACGAATGCAAAGAATGCGGGAAAGC
 ATTTAGGTTGCACCTGCAGCTCAGCCAGCATGAGAAAACCCCACTGGCGAAAAACCTTTTGGTGTAAAG
 GAATGCGGCAAGTTTTTCAGACGCGGCTCCAACCTGAATCAGCACCAGCATACATACAGGCAAGAAGC
 CTTTTGAGTGCAAAGAGTGCAGAAAGGCTTCCGGTGCACATGCATCTTATTGACATCAAAAATCCA
 TACCGGCGAGAAGCCCTTCGAATGCAAGGAATGCGGCAAAGCGTTTAGTTGACACTCAACTGAATCAC
 CAAAAAACATTCATACCGGCGAAAAACCATTCAAAGTGCAAAGAGTGCAGAAAATCCTTTAATCGGGTAA
 GTAACCTTGTCCAGCATCAGAGCATCCACGCGGAGTCAAGCCCTATGAATGCAAAGAGTGCAGAAAGG
 CTTCTCTCGAGTTAGTAACCTGATCCAGCATCAAAAAACACATTCAAAGCGGAAGCCGTTTGTGCAAG
 GAGTGCAGAAAAACATTCAGATACCACTATCAACTCACTGAGCACTACCGGATTCATACTGGAGAGAAAC
 CATTGAGTGTAAAGGAGTGCAGGAAAGCATTGGGCTGCTGACTCAGCTGGCCCAACATCAAATCATTCA
 CACGGGCGAGAAACCTTTAAATGCAAGGAATGTGGGAAAGCATTCAACCGGCGAGCAATCTGGTACAG
 CCTCAGTCCATCCACACAGGCGAGAAGCCATACGAGTGTAAAGGAGTGCAGAAAGGCTTTTCAGACTGCACC
 TGCAACTGTCTTCCACCAGAAGCTCGTGCAGGTGCGGAATCCACTCAATGTGCGGAATGTAGGACAGCC
 CAGTGACATTTCAACCTTCTGAACATCAGAAAGTTCATTCTGGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_001005851.1 , NM_001005851.2 , NP_001005851.1
RefSeq Size:	8687 bp
RefSeq ORF:	2502 bp
Locus ID:	163131
UniProt ID:	Q9Y6R6
Cytogenetics:	19q13.2
MW:	96.8 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC214988