

Product datasheet for **RC224897**

ZNF658B (NM_001032297) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF658B (NM_001032297) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF658B
Synonyms:	zinc finger protein 658B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC224897 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001032297, 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)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGATGAACCTCGAAAAAATTCGATAAAACCACTTTGTTAATCATATGAGGACGGATAAACCGGGCA
 AGTGTCTGATCTCAATGAATATGGCACGTCTGTGATAAGACTACCGCAGTTGAGTACAATAAGGTGCA
 TATGGCTATGACTCACTATGAATGCAATGAACGAGGGATCAACTCAGCAGGAAGTCCCCTGACCCAG
 TCACAACGCACGATTACAGGATGGAGCGGTTTCGAGTCCAATAAATGTGAGGAGAATTTTCCCAGTCAT
 CCGCCCATATCGTGCACCAAGAAGACACAGGCTGGAGATAAGTTTCGGCGAACATAATGAGTGTACCGATGC
 ACTTTATCAGAAATTGGACTTTACCGCCACCAGCGGATCCATACAGACTTCACCGCTCACCAAAAATTC
 TACCTGTGACAGCAACACGGAAAGTGTAGAAAATCCTTTTACTGGAAGGCGCACCTTATTGAGTGTGAGA
 GGCCTCATAGCGGCGAGAAGACTTATCAATACGAGGAATGCGCTAAGTCTTCTGTAGTTCCTCCATCC
 CATCCAGCACCTGGGACGTACGTGGGCTTAAAGTTGTATGAGTGCAACGAGTGCAGGTAAGGCGTCTGC
 CAGAACTCCAACCTCTCCAAACATCTCAGAATACACACTAAGGAAAAACCATGCGATAAATAGGCTGCG
 GGAGAAGCTATAAATCTCTCTGATCGGCCACCAGAAGACTGACGCTGAAATGAACTGTGCGGAGGCTC
 TGAGTATGGCAAAACTAGCCACCTGAAGGGACATCAAAGGATTCTGATGGGGAAAAACCTTATGAGTGC
 ATCGAGTGTGGCAAGACCTTCTCTAAGACCAGCCATCTCCGGGCGCACCAAGGATTCATACTGGGGAAA
 AACCTACGAATGTGTGAGTGTGAGAAGACATCTCTCACAAAGACGATTTGTGAGTTCACCGCGCT
 ACACACAGGAGAAAAGCCATACGAGTGCAACGATTGTGGCAAGAGCTTCACATATAATAGCGCTTTGAGG
 GCACACCAGCGCATTACACGGGTGAGAAGCCATATGAATGCAGCGACTGTGAAAAGACCTTCGCTCATA
 ATTCAGCGCTGAGAGCTCATACCGGATCCATACAGGCGAAAAGCCATACGAGTGAATGAATGCGGAAG
 GTCATTTGCCATATTTCCGTGCTTAAAGGCCACCAGCGCATCCACCCGAGAGAAGCCATATGAATGC
 AATGAGTGTGGGAGAAGTTTACCTATAACTCAGCACTGCGGGCCACCAACGGATTACACAGGCCGGA
 AGCCCTACGAGTGCAGTATTGCGAGAAAACCTTCGCCATAATAGCGCTCTGAAAATACATCAGAGGAT
 CCATACTGGCGAGAAGCCCTACAAGTGAATGAGTGCAGAAAAACATTTCGCTCACAACTACGCCCTGAGA
 GCCCACCAAAACATCCATACGGGTGAAAAGCTTTATGAGTGCAGTGTGAGTGCAGGAAAACTTTTTTCAA
 AAGACTAGGCTCTCAACTACCGGAGGATTCACACAGGGGAGAAACCTTATGAGTGTAGCAAGTGCAGGAA
 GACATTTTCAAAAAAAGTTACCTCAGCGGCCACGAGCGGATCCACAGGGAGAAAAGCCATATGAGTGT
 AATGTTTTCGGGAAAACCTTCGTGTACAAAGCCGCCCTGATTGTTTCATCAGAGGATTCATACCGGCGAGA
 AGCCCTACGAGTGAATGAATGTGGCAAAACCTTTTCCAGAGAACACACCTCTGCGCTCATCAAAGGAT
 TCACACAGGAGAAAAGCCCTACGAGTGTAAATGAGTGCAGCAAGACCTTTGCCGATAATTCGCCCTCAGG
 GCCCACCATCGCATCCACACTGGAGAGAAAACCTTACGAATGCAACGACTGTGGCAAGACCTTCCAAAGA
 CTAGTCATCTGAGAGCGCACCTTCGGACCAGGTCTGGGAAAAAGCCCTATGAATGCAGCGAGTCCGGAAA
 AACTTTCTCAGAGAAATCATACGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGT
 AATGTGTGCGGAAAACCTTCGCACATAACTCTACTCTGAGGGTTACCAGCGGATTACACAGGAGAGA
 AGTCTACGAATGCAACGATTGCGGCAAGACCTTCTCTCAAAGAGCCACTTGTGAGCAGTGTGAGTGTGAG
 CCATACCGGCGAAAAGCCTTACGAGTGCACGAGTGCAGGAAAAGGCTTTGCCCAGAATAGTACCCTCAGG
 GTCCATCAGAGAATCCACACAGGAGAAAACCATACGAATGCGATGAGTGCAGGAAAGACGTTTCGTTGAA
 AAGCCGCCCTTCGGGTGCATCACACCAGAATGCACACACGGGAGAAAACGCTGGCTGTAATGGGTTTGG
 CAAATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224897 representing NM_001032297
Red=Cloning site Green=Tags(s)

MMNLEKNFDKTTLFNHMRTDKRGKCSDLNEYGTSCDKTTAVEYNKVMAMTHYECNERGINFSRKSPLTQ
 SQRITITGWSAFESNKCEENFSQSSAHIVHQKTQAGDKFGEHNECTDALYQKLDFTAHQRIHTDFTAQKQF
 YLSDEHGKCRKSFYWKALHIQHERPHSGEKTYQYEECAKSFSSSHPIQHPGTYYVGFKL YECNECGKAFK
 QNSNLKHLRIHTKEKPCDNNCGGRSYKSPLIHQKTD AEMELCGGSEYKGTSHLKGHRILMGEKPYEC
 IECGKTFSKTSHLRAHQRIHTGEKPYECVECEKTF SHKTHLSVHQRVHTGEKPYECNDCGKSFTYNSALR
 AHQRIHTGEKPYECSDCEKTF AHNSALRAHRIHTGEKPYECNECGRSFAHISVLKAHQRIHTREKPYEC
 NECGRSFTYNSALRAHQRIHTGRKPYECSDCEKTF AHNSALKIHQRIHTGEKPYKNECEKTF AHNSALR
 AHQNIHTGEKLYECSECGKTF FQKTRLSTHRIHTGEKPYEC SKCGKTF SQKSYLSGHERIHTGEKPYEC
 NVCGKTFVYKAALIVHQRIHTGEKPYECNECGKTF SQRTHLCAHQRIHTGEKPYECNECGKTFADNSALR
 AHHRIHTGEKPYECNDCGKTF SKTSHLRAHLRTRSGEKPYECSECGKTF SEKSYVSAHQRVHTGEKPYEC
 NVCGKPF AHNSTLRVHQRIHTGEKSYECNDCGKTF SQKSHLSAQRIHTGEKPYECNECGKFAAQNSTLR
 VHQRIHTGEKPYECDECGKTFVRKAALRVHHTRMHTREKTLACNGFGKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

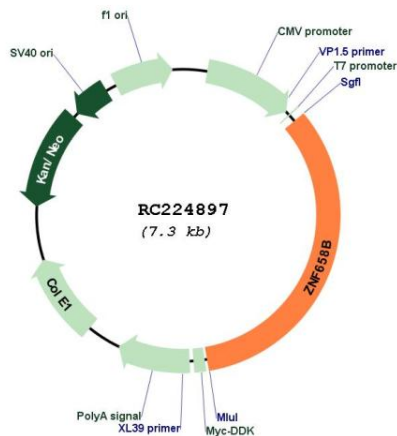


ACCN: NM_001032297

ORF Size: 2457 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_001032297.1](#), [NP_001027468.1](#)
- RefSeq Size:** 3375 bp
- RefSeq ORF:** 2459 bp
- Locus ID:** 401509
- Cytogenetics:** 9p12
- MW:** 94.3 kDa

Product images:



Circular map for RC224897