

Product datasheet for **RC227546**

ZNF860 (NM_001137674) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF860 (NM_001137674) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF860
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227546 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001137674, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGAGAGAAGAAGCTGCGCAGAAACGAAAGGAGAAGGAGCCTGGTATGGCCTTGCTCAGGGTCACC
 TTACATTTGCGGATGTTGCGATTGAGTTCTCCCTGGAGGAGTGAAGTGTCTCGACCCTACCCAGCGGGC
 CCTCTATAGGGCAATGATGCTGGAGAATTACAGGAATCTGCACAGCGTGGATATCTCCAGCAAGTGCATG
 ATGAAGAAATTTTCTCTACTGCCAGGGCAATACAGAGGTGATACAGGCACTTTGAGAGACATGAGT
 CACATCACATTGGGGACTTTTGCTTTCAGAAGATAGGGAAGGATATTCATGACTTCGAGTTTCAGTGGCA
 GGAGGATAAGAGAAATCCCACGAAGCGACAATGACCCAAATAAAGAAGCTTACCGGATCTACAGATCGG
 TATGACAGGAGACATCCAGGCAACAAGCCTATTAAGACCAGCTCGGTCTGAGCTTCATTCTCATTGTC
 CTGAGCTTACATTTTTAGACCAAGGCAAGGTGGGCAACCAGGTCGAGAAGAGTATCAACGACGCATC
 TAGTGTCTGACCTCACACCGGATCTCTAGTAGGCCAAAGATTACATTAGTAACAACATGAGAACAAC
 TTTTTTACTCCTCACTGCTGACCTTGAAGCAGGAGGTGCACATCAGGGAGAAATCCTCCAGTGAACG
 AATCAGGGAAGGCATTTAATTGTAGTCTATTGCTCCGAAAACATCAGATCATTTACCTGGGGGGAAACA
 GTACAAATGTGACGTGTGTGGTAAGGTGTTAATCAGAAAAGATACCTGGCGTGCACCATAGGTGTCAC
 ACAGGTGAGAAAACCGTACAAGTGAATGAGTGTGGGAAGGTGTTCAATCAGCAGTCAAACCTGGCTTCAC
 ATCACCGGCTGCATACCGGAGAGAAGCCGTATAAATGTGAAGAGTGTGATAAAGTATTCTCCGAAAAAG
 CAATCTGGAACGCCATCGGCGCATTACACCGGTGAGAAGCCTTACAAATGCAAAGTGTGCGAGAAGGCT
 TTTAGACGGGACAGTCATCTGACTCAGCACACCCGGATCCATACCGGGAAAAACCTACAAATGCAACG
 AATGCGGGAAAGCATTCTCCGGACAGTCTACCCTTATACACCACCAGGCTATCCATGGTATTGGCAAAC
 GTATAAGTGAACGATTGCCATAAAGTGTGTTAGCAACGCCACTACCATTGCTAATCACTGGCGCATCCAT
 AACGAGGAGCGGTCTATAAGTGAATAAGTGCAGTAAAGTCTTTCAGAAGACGCAGCTACCTCGTCTGTC
 ACTGGAGAACCCATACAGGGGAGAAGCCTTACAAGTGAATGAGTGTGGCAAACCTTTTCATATAACAG
 TGCACTGGTCATCCACAAGGCTATACACACCGGGAAAAAGCCATATAAATGCAAACGAGTGTGGGAAGACC
 TTCCGGCATAATAGTGCTCTCGTGATCCACAAGGCCATTCACTGGAGAAAAGCCTTACAAATGCAATG
 AGTGGGAAAGGTGTTCAACCAGCAGGCTACTTTGGCAAGACACCACAGACTGCACACCGGAGAGAAGCC
 ATATAAGTGCAGAGAGTGTGATACTGTGTATAGCCGAAATCTCACACGAAACCCACAAGAGGATTAC
 ACAGGGGAGAAGCCCTACAAATGCGACGATTTTGACGAAGCCTTCAGCCAGGCCTCATCTTATGCGAAAC
 AGAGAAAGATTCATATGGGGGAGAAACATCATAAGTGGCAGCACTGTGGCAAAGCTTTTACTAGCCATTC
 ACATCGGATAAGGCACCAGCGGATACATACAGGACAAAAGTCATAAATGCCACAAACGGGGGAAGGTA
 TTTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227546 representing NM_001137674
Red=Cloning site Green=Tags(s)

MLREEAAQRKEKEPGMALPQGHLTFRDVAIEFSLEEWKCLDPTQRALYRAMLENYRNLHSVDISSKCM
 MKKFSSTAQGNTEVDGTGLERHESHIGDFCFQKIGKDIHDFEFQWQEDKRNSHEATMTQIKKL TGSTDR
 YDRRHGPNKPIKQDLGLSFHSHLPELHIFQTKGKVGNGVEKSINDASSVLT SQRISSRPKIHISNNYENN
 FFHSSLLTLKQEVHIREKSFQCNESGKAFNCSSLLRKHQIIYLGGKQYKCDVCGKVFNQKRYLACHHRCH
 TGEKPYKCNECGKVFNQSNLASHHRLHTGEKPYKCEECDKVF SRKSNLERHRIHTGEKPYCKVCEKA
 FRRDShLTQHTRIHTGEKPYKCNECGKAFSGQSTLIHHQAIHGIGKLYKNDCHKVF SNATTIANHWRIH
 NEERSYKCNKCGKFRRRSYLVVHWRHTHTGEKPYKCNECGKTFHHNSALVIHKA IHTGEKPYKCNECGKT
 FRHNSALVIHKA IHTGEKPYKCNECGKVFNQATLARHHLHTGEKPYKCEECDTVYSRSHHETHKRIH
 TGEKPYKCDDFDEAFSQASSYAKQRKIHMGEKHHKCDDCGKAF TSHSHRIRHQRIHTGQSYKCHKRGKV
 FS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001137674

ORF Size: 1896 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_001137674.1](#), [NM_001137674.2](#), [NP_001131146.1](#)

RefSeq Size: 3210 bp

RefSeq ORF: 1899 bp

Locus ID: 344787

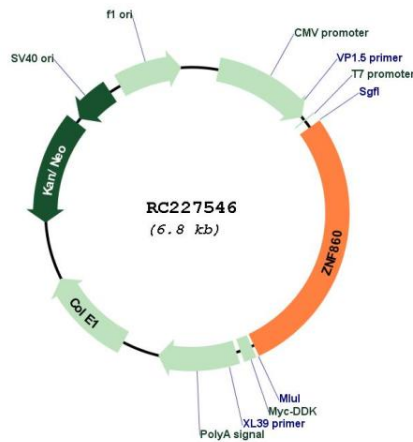
UniProt ID: [A6NHJ4](#)

Cytogenetics: 3p23-p22.3

MW: 73.7 kDa

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

Product images:



Circular map for RC227546