

Product datasheet for **RC227566**

ZNF853 (NM_017560) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF853 (NM_017560) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF853
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC227566 ORF sequence, codon optimized.
Due to the complexity of NM_017560, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTGCACCAGCCTACCCAGGCAACAGAGGCCTGACTGCAAGAATGGAGTGGGACCCGCAACCGAGA
CATTTGTGTTGGAAGTGCAGTGCCTGGAGGATGGCGGACCTGGGCCCGATACGCTGAGTGGGGTCTGG
GGGAGCGAGTCTCAGGAGGAGGAAGAACCCCAAGAAAGAAATAGTAGCCCGCAGAGGCCCGCCGTCTCA
GCACCGGTTGGCGCTAGCGAGATCGCGGAAGAACTCGGCCCGGGCAGAGAGAGCTCCAACCTCCAGCAGC
TTGAACAACAGCCCGAACCCAGCAGCAGCCGAGCAGCAGCAGCTCCAACAACACAGCCCATCTGGA
GCTTCAACAGCAGCCTAACAGGATGGCCAGCAGCAACTTTCACAGCTTACAGCAAGAGAAGCACCAGTCA
GTCCACCATCAGGAGCTTAAGCCCGAAGTGCAGCTGATGCATCAACAGCAGCAGCTGCAGCCTCAGCAGG
TTCAGGAACAGCAGCGGTTGCAGCAGCAGCAGGAACAGCTTACAGACAGCAGGCTCAGGAGCAGCAGGT
CCTTCAGCAGCAGGAGCAATTGCAACAGCAGGTCAGGAACAGCAGCTGCTTCAGCAGCAGCAGGAGCAA
CTGCAACAGCAACAGCTGTTGCAGCAGCAGGAGCAGCTGCAGCAGCAGCAATTCAGCAGCAGCAGGAGC
AACTCCAACAGCAGCAGCAGCTGTTGTTGCTCCAGCAGCAGGGACAACAGCAGCAGCAGCTGCTTCAGCA
CAGCAGGCTCAACTGCAGCAACAGCTCCTGGAGCAGCAACAGGCCAGCTGCAGCAGCAACTGCTGTTG
CAGCAGCAAGAGCAGCTGCAGCAGCAGCAGCAGCAGCTCCTGCAGCAGCAGCAAGAACAGCTGCAGC
AGCAGCAGCTGCAACCCCAACCTTGAACCCAGAGAGGAGGAGGAAAGTTGAATTGGAAGTATGCCAGT
TGATCTGGGCTCCGAACAGGAGTTGGAACAGCAGAGACAAGAGTTGGAAGACAACAGGAAGTGGAGAGA
CAACAGGAGCAGAGGAGCTCCAACCTGAAGTTGCAAGAAGAGCTGCAGCAGCTGGAGCAGCAGCTTGAAC
AGCAGCAGCAGCAACTGGAGCAGCAAGAGGTCAGTTGGAAGTACTCCTGTCTGAGCTCGGCCACAGCA
GCAGGAGGTCAGCTGGAGCTGACTCCCGTGCAGCCCAACTCCAGCTGGAGTTGGTTCTGCAGCTGGT
GGCGGCGGCCGCTGTGCTGGCGCCCCGAGCTGTTGTGGTTGCCACCAGGGTATGTGGTTGTTCC
AGGAAGTATGGTACTGCCCGCTGTAGCTGCGCCTGCCGTTGTGGCAATCCCTGGCCAGCTGGCTCCGC
TGCCCTTACCCCGCTCGCCAACGCCGGCGCCGAGAGCTAGAGATCGACCTACTATATGCGGTGAGTGC
GGGAAAGGTTTCTCCAGATCAACAGACCTCGTGGGACATCAGGCCACGCACACTGGTGAGAGGCCTCATC
GATGCGGCGAATGCGGCAAGGGGTTTTCTCAGCACAGCAACTGGTGACTCACCAGAGGATCCACACCGG
AGAGAAACCATACGCTGCAGCTACTGCGCAAGAGGTTTAGCGAGTCATCAGCTCTCGTGCAGCACCAG
CGGACCCACACAGGCGAAAGGCCCTACGCATGCGGTGATTGTGGAAGCGATTTCCGTAAGTTCTAACC
TGCTGCGCCACCGGAGAACCACAGCGGCGAGCGGCCCTATGTGTGCGAGGATTGTGGAGAGCGATTCCG
ACATAAGGTCCAGATACGGAGGCACGAGCGGCAACTCCATGGGGCGGGAAGATCTCGCGGTCTGGACTG
CTCCGCGGCTCAAGACCAGCCGCTCTGGGTGGCCCGGCCAGGGCCGAGCAAGCTGCAACCGCCACTGCAC
CGGCCGATAAGGCGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227566 representing NM_017560
Red=Cloning site Green=Tags(s)

MLHQPTPGNRGLTARMEVGPATETFVLELQCLEDGGPGPDTLGGGSGGSESQEEEEEPQERNSSPQRPAVS
 APVGASEIAEETRPGQRELQLQLEQQPEPQQQPQHEQLQQPQPHLELQQQPQDGGQQLSQLQQEKHQS
 VHHQELKPELQLMHQQQLQPQQVQEQRLQQQEQQLQTQQAQEQVLLQQQEQQLQQVQEQQLLQQQEQ
 LQQQQLLQQQEQQLQQQFQQQEQQLQQQQLLLLQQQGQLQQQLLQQQQAQLQQQLLEQQQAQLQQQLL
 QQEQQLQQQQQQQLLQQQEQQLQQQLQPPLPEEEEEVELELMPVDLGSEQELEQQRQELERQQELER
 QQEQRQLQLKLQEELQLEQQLEQQQQLEQQEQVLELTPVELGAQQQEQVLELTPVQPELQLELVAAG
 GGAAVPGAPAAVVVAPPYVVVQELMVLPAVAAPAVVAIPGPAGSAALTPARQRRRRRRARDPTICGEC
 GKGF SRSTDLVRHQATHTGERPHRCGECGKGF S QHSNLVTHQRIHTGEKPYACSYCAKRFSESSALVQHQ
 RTHTGERPYACGDCGKRF SVSSNLLRHRRTHSGERPYVCEDCGERFRHKVQIRRHHERQLHGAGRSRGLGL
 LRASRPAALGGPARAEQAATATAPADKAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_017560

ORF Size: 1977 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_017560.1](#), [NP_060030.1](#)

RefSeq Size: 3864 bp

RefSeq ORF: 1980 bp

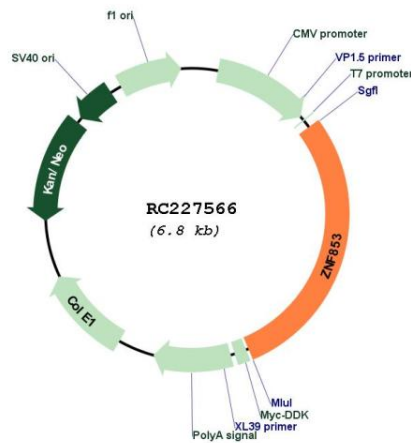
Locus ID: 54753

UniProt ID: [P0CG23](#)

Cytogenetics: 7p22.1

MW: 74.9 kDa

Product images:



Circular map for RC227566