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Product datasheet for RC226776

ZNF845 (NM_138374) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZNF845
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC226776 ORF sequence, codon optimized.
Due to the complexity of NM_138374, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCTTAGCCAAGGACTGCTGACCTTCCGCGACGTCGCGATAGAGTTTTCACAGGAGGAGTGGAAGT
GCCTTGACCCTGCACAGCGGACTCTTTATCGCGACGTGATGCTCGAAAACTACCGCAACCTGGTTTCCCT
GGATATCAGCTCTAAATGCATGATGAAAGAATTCAGCTCTACCGCTCAAGGCAATACGGAGGTCATCCAT
ACCGGCACACTCCAGCGGCACGAAAGACACCACATTGGTGACTTTTGCTTCCAGGAGATGGAGAAGGATA
TACACGACTTCGAGTTCCAGTGGAAAGAGGACGAAAGAAACAGCCACGAGGCACCTATGACCGAGATTAA
GCAACTCACCGGAAGTACCAATCGCCACGACCAGCGCCATGCTGGGAATAAACCTATTAAGGACCAACTG
GGGTCATCCTTCCATAGTCACCTTCCTGAACTTCATATGTTTCAGACTGAAGGCAAAATTGGAAACCAGG
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TATTTCCAAAAATTATGGCAATAACTTCCTGAATTCCAGCCTCCTGACTCAAAAGCAAGAAGTGCATATG
CGCGAAAAGAGTTTCCAGTGTAACGAGTCAGGAAAGGCATTCAACTACTCCTCTGTCTTGCGGAAGCATC
AGATCATCCATCTGGGCGCTAAGCAGTATAAATGCGATGTCTGCGGGAAGGTATTCAACCAGAAGCGGTA
CCTCGCTTGCCATAGGAGATGCCACACGGGAAAAAAGCCATATAAATGTAACGATTGCGGGAAAACTTTT
TCTCAAGAGCTCACCCTTACTTGCCATCACAGACTCCATACAGGAGAGAAGCATTACAAATGCTCTGAAT
GTGGAAAGACATTCTCTCGCAACAGTGCCCTTGTTATCCATAAAGCTATTCACACTGGCGAAAAGTCTTA
TAAATGTAACGAATGCGGTAAAACATTTTCACAGACGTCCTATCTTGTCTACCACCGCCGCCTCCACACT
GGGGAAAAACCATATAAATGCGAGGAATGTGATAAGGCGTTCAGCTTCAAGTCAAACCTCGAGCGGCACC
GGAAGATCCACACAGGCGAGAAACCTTACAAGTGTAACGAATGCTCCAGAACATTTAGCCGGAAGTCATC
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CAAGTGTAACGACTGTGGGAAAACCTTCAGTCAGACCTCATCTTTGGTCTATCATCGGCGGCTCCACACC
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GGATCATTCACACAGGGGAGAAGCTGTATAAGTGTAACGAATGTGGCAAAACCTTTTCCCGGAAGTCTTC
TCTGACACGACATTGCCGCCTGCACACAGGCGAGAAACCTTACCAGTGCAATGAGTGCGGTAAGGCATTT
AGGGGCCAGTCAGCCCTGATCTATCATCAGGCAATTCACGGCATCGGAAAGCTGTATAAGTGCAATGACT
GTCACCAGGTGTTTTCCAACGCTACAACCATTGCTAATCACTGGCGGATCCATAATGAAGAAAGATCTTA
TAAATGCAACCGCTGTGGCAAGTTCTTTCGCCACCGGAGCTATCTGGCTGTCCACTGGAGAACACATAGT
GGTGAGAAGCCCTACAAGTGTGAGGAGTGCGATGAGGCTTTTTCCTTCAAAAGTAATCTTCAGCGCCATC
GGCGGATTCATACCGGCGAAAAGCCGTACAGGTGTAATGAGTGTGGCAAGACATTCTCCAGAAAGAGCTA
CCTGACGTGTCACAGGAGACTCCATACCGGCGAGAAGCCATACAAGTGTAATGAATGCGGCAAAACCTTT
GGGCGGAACTCAGCCCTGATCATCCATAAGGCAATACACACAGGTGAGAAGCCTTATAAGTGTAATGAGT
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TAAGTGCGAGGAATGCGACAAAGTCTTCAGCAGAAAGAGCAGTCTGGAAAAGCACCGGAGGATACACACA
GGAGAGAAACCCTACAAGTGTAAGGTCTGCGATAAGGCATTTGGTCGGGACAGTCACCTGGCTCAGCATA
CACGGATTCATACTGGCGAAAAGCCCTACAAATGTAATGAGTGTGGAAAAAACTTCCGCCATAACTCCGC
CCTGGTTATTCACAAGGCAATTCACTCCGGGGAGAAACCATACAAGTGTAACGAGTGTGGGAAGACTTTC
CGCCACAACAGTGCCCTGGAGATCCACAAGGCGATCCATACAGGAGAGAAGCCATACAAGTGCAGTGAAT
GTGGCAAGGTGTTTAACAGAAAAGCTAACCTTTCTAGGCACCACAGGCTGCACACAGGGGAGAAGCCTTA
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AAACTATCCATACAGGTGAAAAGCCCTACAAGTGCAACGAGTGCGGGAAGGTTTTCAACCGCAAGGCTAA
ACTGGCCAGGCACCACCGGATCCATACTGGGAAAAAGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

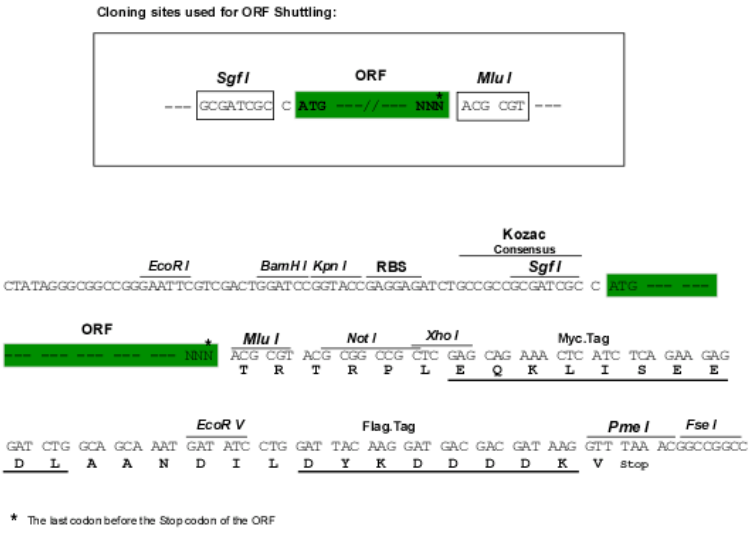
>RC226776 representing NM_138374
Red=Cloning site Green=Tags(s)

MALSQGLLTFRDVAIEFSQEEWKCLDPAQRTLYRDVMLENYRNLVSLDISSKCMMKEFSSTAQGNTEVIH
TGTLQRHERHHIGDFCFQEMEKDIHDFEFQWKEDERNSHEAPMTEIKQLTGSTNRHDQRHAGNKPIKDQL
GSSFHSHLPELHMFQTEGKIGNQVEKSINSASLVSTSQRISCRPKTHISKNYGNNFLNSSLLTQKQEVHM
REKSFQCNESGKAFNYSSVLRKHQIIHLGAKQYKCDVCGKVFNQKRYLACHRRCHTGKKPYKCNDCGKTF
SQELTLTCHHRLHTGEKHYKCSECGKTFSRNSALVIHKAIHTGEKSYKCNECGKTFSQTSYLVYHRRLHT
GEKPYKCEECDKAFSFKSNLERHRKIHTGEKPYKCNECSRTFSRKSSLTRHRRLHTGEKPYKCNDCGKTF
SQMSSLVYHRRLHTGEKPYKCEECDEAFSFKSNLERHRRIHTGEKPYKCNDCGKTFSQTSSLVYHRRLHT
GEKPYKCEECDEAFSFKSNLERHRIIHTGEKLYKCNECGKTFSRKSSLTRHCRLHTGEKPYQCNECGKAF
RGQSALIYHQAIHGIGKLYKCNDCHQVFSNATTIANHWRIHNEERSYKCNRCGKFFRHRSYLAVHWRTHS
GEKPYKCEECDEAFSFKSNLQRHRRIHTGEKPYRCNECGKTFSRKSYLTCHRRLHTGEKPYKCNECGKTF
GRNSALIIHKAIHTGEKPYKCNECGKAFSQKSSLTCHLRLHTGEKPYKCEECDKVFSRKSSLEKHRRIHT
GEKPYKCKVCDKAFGRDSHLAQHTRIHTGEKPYKCNECGKNFRHNSALVIHKAIHSGEKPYKCNECGKTF
RHNSALEIHKAIHTGEKPYKCSECGKVFNRKANLSRHHRLHTGEKPYKCNKCGKVFNQQAHLACHHRIHT
GEKPYKCNECGKTFRHNSVLVIHKTIHTGEKPYKCNECGKVFNRKAKLARHHRIHTGKKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

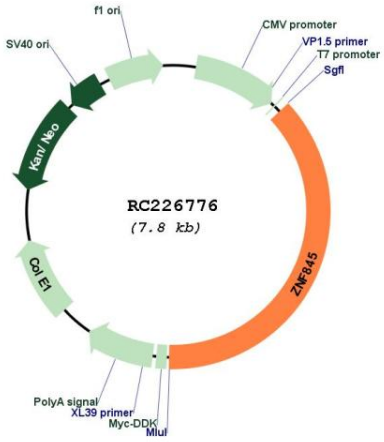


ACCN: NM_138374

ORF Size: 2910 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_138374.1, NM_138374.2, NP_612383.1
RefSeq Size:	5591 bp
RefSeq ORF:	2913 bp
Locus ID:	91664
UniProt ID:	Q96IR2
Cytogenetics:	19q13.42
Protein Families:	Druggable Genome
MW:	113.1 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC226776