

Product datasheet for **RG226835**

ZNF844 (NM_001136501) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF844
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG226835 ORF sequence, codon optimized.

Due to the complexity of NM_001136501, 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
GCCGCGATCGCC

ATGGATCTGGTTGCATTTGAGGACGTGCGGGTGAACCTTTACACAAGAGGAATGGTCCCTCTCGATCCGT
CCCAGAAAAACCTCTACAGGGAGGTTATGCAGGAAACGCTCCGAAACCTCGCATCAATCGGCGAGAAGTG
GAAGGATCAGAACATCGAAGACCAGTATAAAACCCAAGAAACAATCTGCGGTCCCTGCTCGGGGAAAGG
GTGACGAGAACACGGAAGAGAATCATTGTGGCGAAACATCAAGTCAGATCCCAGACGATACATTGAATA
AAAAGACCTCACCCGGCGTGAAGTCATGTGAGTCATCAGTTTGCCTGAGGTCTTTGTTGGGCACTCTTC
CTTGAACCGGCACATACGCGCCGACACCGCCACAAGCCATCTGAATACAGGAATACGGGCAAGGAGCCC
TACAAATGCCAACAGCGCAAGAAGGCTTTTCGATGCCACCCGTCCTTTCAGATGCAAGAGAAGGCACATA
CCGGCGAAAACTCTATGATTGTAAGGAATGTGGTAAACCTTCATCAGCCATAGCTCAATTCAGAGACA
TATGATAATGCACAACGGGGACGGCACCTATAATGTAAGTTCTGCGGCAAGCCTGTCCATGTCTGTCA
ATTTACCTTATCCATGAGCGAGTTCACACTGGAGAGAAGCCCTACAATGCAAGCAGTGTGGGAAGGCTT
TCAGCTATTCAACCTCCCTCCAGATTCACGAACGACCCACACTGGGGAGAAGCCATACGAATGCAAAGA
GTGCGGCAAGCATTGCGCAGCCCCAATTCTCTATGAACATAGGCGGACTCATACCGGTAAAAACCA
TATGAGTGCAAGCAGTGCGGGAAAGCATTTCGGTGGTTTCACTCCTTCCAGATTCATGAGAGAACCCT
CAGAGGAAAAGGCTTATGAGTGTACCAAGTGCGGCAAGGCCTTTAAGTGCCCTTCTACCTGTGCCGGCA
TGAGGTTACTCACAGCGGAAAGAAGCCTTGTGAGTGTAAAGCAGTGCGGCAAGGCTCTGAGCTACCTGAAC
TTTCAGCGGCACATGAAGATGCATACCGATGCGACCCTACAAGTGCAAGACTGTGGAAAAGCCGCTGA
TCTTGCCAGTGAGATTTGAAGACATGAAGGAACCTCACCTGGAAAGGAACCTGATGAACGCCAGCACCGT
CGTGAAGCCATCCATCGTGCCAGTCCCTTTCACCATCATGAAAGGACTGACCCTGGAGAGAAACCTATG
AATGTAAGCTCAGTTGTGAAGCCTTATTCTCCCACTGCCATTCGACATTATGAAAGGGCTGACCCTTG
AACGGAACCGAATGAGTGTGTCCAACGTGGGGAACCTTCTGACCTGCCCCACACTTTCAAGTGCATGGA
GGGCTTGACCCTGAAGCGAAACCCATGAATGTCTCCAGTGTGTCAAACCTCCTTCTTCCGCTCCCC
TTCGACATCATGAAAGGACTTACCTTGAAAGAAACCAATGAGCGTTTCCAACGTGCGGAAGCCCTCCC
ATCTCCCCATACATTCAAGTGTATGAAAGGGCTGACGCTGGAGTCCAATTGCATGAATCTCAACAACGT
GAAAAAACCGCTGGATCTGAGCGAGACATTCAAGTTCATGAAGAGGCACACCTTGGAGAGGAACCCATC
AGAAATATGGAGAAGCATTCCACCATCAGCCTGCCCTTTAAGTACATGCAGCAGTGCACAGAAGATCGGA
TGCCGATGAATGTAAGTCAGTGACCAAACTCCTACCTGCCTCGATCTTTGAATATATGCAGGAACA
CACTTTGGAGCGGAACCCATGAACGTGCGAAACGCCGAGAAGAGGTCCATTATATTTCTGCTGTGTGTG
TACACAAAGGGATGCACACTTGAACGAAATCACATCAACGTGAGGATCGTGGGAAACACTCAGTGTGCC
TGGTCCCTTCGTTGACATCAAGGACTGACTCTGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

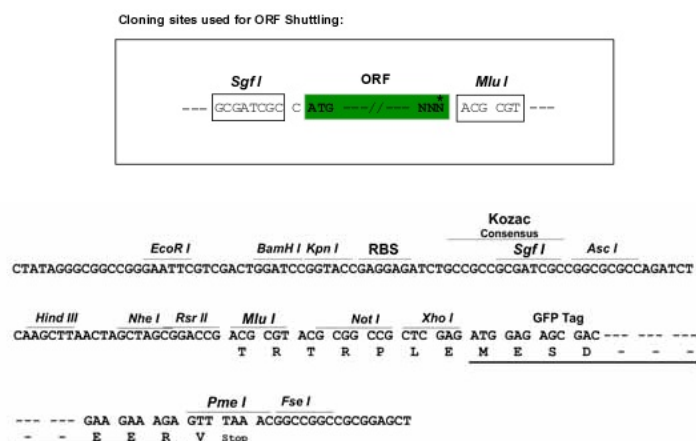
Protein Sequence: >RG226835 representing NM_001136501
Red=Cloning site Green=Tags(s)

MDLVAFEDVAVNFTQEEWSLLDPSQKNLYREVMQETLRNLASIGEKWKDQNIEDQYKNPRNNLSRLGER
VDENTEENHCGETSSQIPDDTLNKKTSPGVKSCSSVCGEVFVGHSLLNRHIRADTAHKPSEYQEYGGQE
YKQQRKKAFRCHPSFQMQEKAHTGEKLYDCKECKGTFISHSSIQRHMIHNGDGTYKCKFCGKACPCL
IYL IHERVHTGEKPYKCKQCGKAFSYSTSLQIHERHTGEKPYECKECKGAFGSPNSLYEHRRTHTGEK
YECKQCGKAFRWFHSFIHERTHSEEKAYECTCKGAKFPCPSYLCRHEVTHSGKKPCECKQCGKALSYLN
FQRHMKMHTMRMPYKCKTVEKPLILPVRFEDMKELTLERNLMNASTVVKPSIVPVPTIMKGLTLERNPM
NVSSVVKPSFLPLPFDIMKGLTLERNRMSVSNVGKPSDLPTHTFKMEGLTLKRNPMMNVSSVVKPSFFLP
FDIMKGLTLERNPMSVSNVGKPSHLPTHTFKMKGLTLESNCMNLNVVKPLDLSETFKFMKRHTLERNP
IRMEKHSTILSPFKYQNGCTDRMPNMVVKCTMKHLSYLRPSFEYMQEHTLERNNMVRNAEKRSIIFLLCV
YTKGCTILERNHINRVIGKHSVDLPVFDITKGLTLE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001136501

ORF Size: 1998 bp

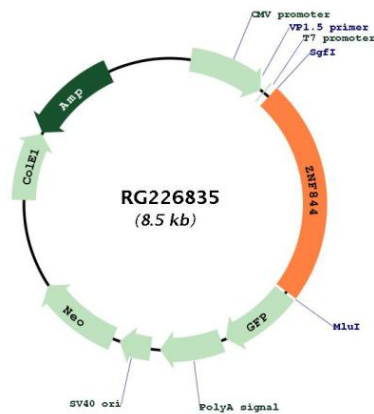
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_001136501.1, NP_001129973.1</u>
RefSeq Size:	6588 bp
RefSeq ORF:	2001 bp
Locus ID:	284391
UniProt ID:	<u>Q08AG5</u>
Cytogenetics:	19p13.2
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG226835