

Product datasheet for **RG214644**

ZNF835 (NM_001005850) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF835
Synonyms:	BC37295_3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214644 ORF sequence, codon optimized.

Due to the complexity of NM_001005850, 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

ATGAGCTTCTCACAGTGAATCCGAGAAGCGGTGTGAGATCAAGACTGCCGCCAAGGCTCTAGAATGG
AGGGGCTCTGAGTGTGGCACTCCAGGGAGCAGAGTTGGAAGGCAATTGGAAGCACGAGGGACAGGTTGA
AGACCTCCAAGAGAATCAGGAATCTGCCCGAACCCGAGGCCGTAGCCTGCAAAGGTGACCCCGCTGGC
GACTCAATGCAGGAGCGGGATGAGTTCTCAAGGATCCCAGGACAATTAGCAGTCTGCTGCGACCCAGG
CTTCCGTGCTGACGACTCCAGCAGCAGGCCGTGCACTGCACCTGGTGAATCACCAGAGAGCGCCACCC
CGACTCCCGCCAGAGGGAAGGGGAGGTGGGCCAAAAAACCTTGAAATGCGGTGATTGTGGCAAAGCC
TTTCTCTATTGCTCCGCTTCATCTTACCAGAGAATACATACTGGAGAAAAGCCTTTGCTGTCCCG
AGTGCGGCAAAGCGTTCTCACAGTCACTTACCTTCCATCAGCGCACACACCGGCGAAAAACC
ATACGCTGTACGAATGTGGCAAGGCTTCAGCCAGGGCTCCTATCTCGCGAGCCACTGGCGGACCCAC
ACGGGCGAAAAACCATAGATGTGCTGATTGCGGAAAGGCCTTACGAGAGTGACCCATCTGACCCAGC
ACCGGAGAGTCCACACAGGAGAACGCCCTTACGCTGCGCCAGTGCAGAAAAGCCTTCCGGAACAGGTC
TTCCCTCATCGAGCACCAGCAATTATACAGGGGAGAAACCATATGAGTGTTCCGCTTGTGCAAAGGCG
TTCCGTTTCACTCCGCTCTTATCCGACACCAACGGATCCATACAGAGAGAAAACCGTATCGGTGCGGCC
AGTGTGCCAAGGCATTGCTCAGATCGCTCACCTGACCCAGCACCAGGCGAGTGATGCTGCGGAGAAACC
TTATACTTGCCAGGACTGTGGGGCCCTTTCTCCCAAAGTGCTCTCTGCGCGAGCATCGGCGGATTAC
ACCGGAGAGAAGCCCTATGCTGTGGCAGTGCCTAAGGCTTTACACAAGTGAGTCACTGACACAGC
ACCAACGCACACATACCGGAGAACGCCCTTACCCTTGCCATGATTGCGGTAAGCGCTTCTCTAACAGGTC
CCACTTGCTGCAGCATAGACTTGTTACACCGGCGAGCGGCCCTATCGCTGCCTCCAGTGTGGAGCTGCC
TTTAGCCACGTGAGTTCACTGATTGAGCACCAGAAGATCCCACTGGCGAGAGGCCCTACAAATGTGGTG
AATGTGAAAAGCATTAGCCAAGTAGCTCACTCGCCCTGCATCAGAGAACGCACACGGGCGAGAGGCC
ATACACCTGCCAGAGTGGGGAAGGCCTTTAGTAACCGGTATACCTGATTCAACATCATATTGTTTAC
ACAGGAGAGAAGCCATATGAGTGCTCTGGATGTGGCAAAGCGTTTACGTTTACGCTCAGCTCTTATTCGAC
ACCAACGAACACACGCTGATAGCAGTGGACGACTGTGCCCGGCGCCTACTCCCGACAGCACTCCAGGCCT
GAGTCAAGGCGGAGAGACATGCCAGCAGGCTGCCCGGAAGAAACCTCGGGGCGCTGCAGAGGAT

AGCGGACCGACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214644 representing NM_001005850

Red=Cloning site Green=Tags(s)

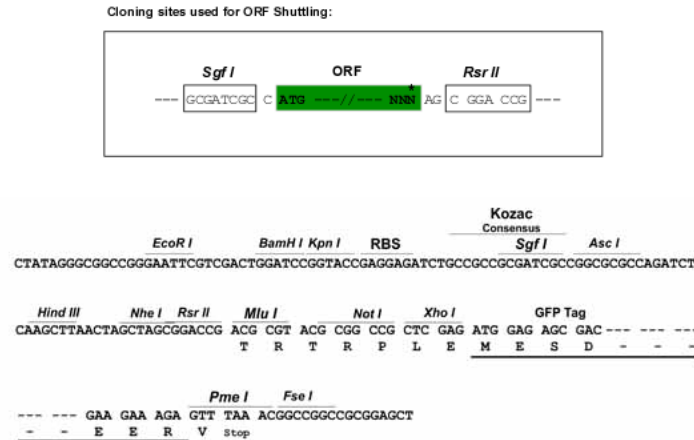
MSFSQCNPEKRCEIKTAAQGSRMGLLSVALQGALEGNWKHEGQVEDLQENQESCEPEAEVACKGDPAG
DSMQRDEFSRIPRTISSPAATQASVPDDSSRRCSAPGESPKERHPDSRQRRERGGPKPKWKCGDCGKA
FSYCSAFILHQRIHTGEKPFACPECGKAFSQSVHLTLHQRTHTGEKPYACHECGKAFSQGSYLASHWRTH
TGEKPHRCADCGKAFTRVTHLTQHRRVHTGERPYACAQCAKAFNRSSLIEHQRIHTGEKPYECSACAKA
FRFSSALIRHQRIHTEKPYRCGQCAKAFQIAHLTQHRRVHTGEKPYTCQDCGALFSQSASLAEHRIH
TGEKPYACGQCAKAFQVSHLTQHRTHTGERPYPCDCHGRFSNRSHLLQHRLVHTGERPYRCLQCGAA
FSHVSSLIEHQIHTGERPYKCGECGKAFSQGSSLALHQRTHTGERPYTCPECGKAFSNRSYLIQHIVH
TGEKPYECSGCGKAFSFSALIRHQRTHADSSGRLCPAPTPDSTPLSQGGETCQGGCPGRNPRGPAED

SGPTRRRL - GFP Tag - V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN: NM_001005850

ORF Size: 1677 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.

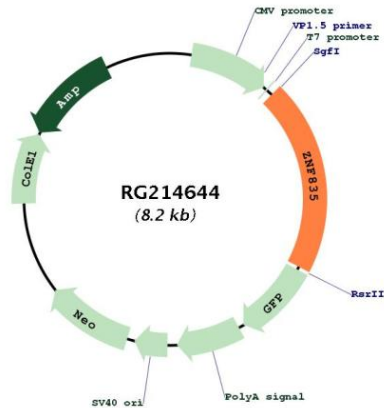
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001005850.1](#), [NP_001005850.1](#)

RefSeq Size: 3448 bp

RefSeq ORF:	1614 bp
Locus ID:	90485
UniProt ID:	Q9Y2P0
Cytogenetics:	19q13.43
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214644