

Product datasheet for **RG222413**

ZNF146 (NM_007145) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF146 (NM_007145) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF146
Synonyms:	OZF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222413 representing NM_007145 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCACACCTCAGCCAGCAGAAAATTTACAGTGGGAAAACCCCTTGCCTGTAAGGTATGTGAAAAAG
 TCTTCAGCCACAAATCAAACCTCACTGAGCATGAGCATTTTCACACGAGAGAGAAACCTTTGAATGTAA
 CGAGTGTGAAAAGCCTTTAGCCAAAAGCAGTATGTCATTAAACATCAGAACACCCATACTGGCGAGAAG
 CTTTTCGAATGTAATGAATGTGAAAATCATTTAGCCAGAAGGAAAACCTCCTTACGCACCAGAAAATTC
 AACTGGAGAAAACCTTTGAGTGTAAAGATTGCGGAAAGCTTTCATTGAGAGTCAAACCTCATCAG
 ACACCAGAGAACTCACACAGGAGAGAAGCCCTTTGTATGTAAGGAGTGTGAAAAACCTTCAGTGGCAAA
 TCCAACCTTACTGAGCATGAGAAAATCCATATTGGAGAGAAGCCTTTAAATGTAGTGAATGTGGAACAG
 CCTTTGGCCAGAAGAAGTACCTCATAAAACATCAGAACATTACACTGGAGAGAAACCTATGAATGTAA
 CGAATGTGAAAAGCCTTCTCTCAGCGAACATCACTTATTGTACATGTGAGGATTCATTACAGGTGATAAA
 CCTTACGAATGCAATGTTTGTGAAAAGCCTTCTCTCAGAGCTCATCTCTCACTGTGCATGTGAGAAGCC
 ATACAGGGGAGAAGCCCTATGTTGTGAATGAATGTGGAAAGCTTCTCTCAGTTCTCAACCTTGCTCT
 GCATTTGAGAATACACACAGGTAAGAAGCCTTATCAGTGCAGTGAATGTGGAAAGCTTTCAGCCAGAAG
 TCACACCACATTAGACACCAGAAAATTCATACTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG222413 representing NM_007145
 Red=Cloning site Green=Tags(s)

MSHLSQQKIYSGENPFACKVCGKVF SHKSNL TEHEHFHTREKPFECNECGKAFSQKQYVIKHQNTHTGEK
 LFECNECGKSF SQKENLLTHQKIHTGEKPFECDCGKAFIQKSNLIRHQRTHTGEKPFVCKEKGKTFSGK
 SNLTEHEKIHIGEKPFKCSECGTAFGQKKYL IKHQNHTGEKPYECNECGKAFSQRTSLIVHVRHSGDK
 PYECNVCGKAFSQSSSLTVHVSHTGEKPYGCNECGKAFSQFSTLALHLRIHTGKKPYQCSECGKAFSQK
 SHHIRHQKIHTH

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007145

ORF Size: 876 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_007145.1](#), [NP_009076.1](#)

RefSeq Size: 3186 bp

RefSeq ORF: 879 bp

Locus ID: 7705

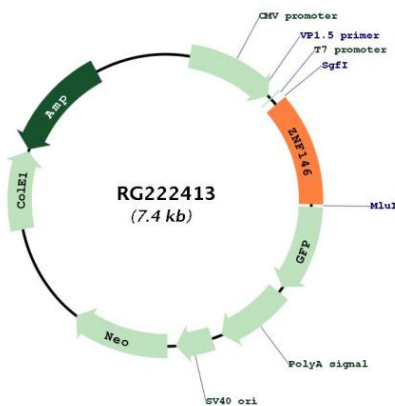
UniProt ID: [Q15072](#)

Cytogenetics: 19q13.12

Domains: zf-C2H2

Protein Families: Transcription Factors

Product images:



Circular map for RG222413