

Product datasheet for **RG223768**

ZNF446 (NM_017908) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF446 (NM_017908) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF446
Synonyms:	ZKSCAN20; ZSCAN30; ZSCAN52
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223768 representing NM_017908
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCCATCCCCTCTGGGTCCCCCATGCCTGCCCGTCATGGACCCAGAGACCACCTCGAGGAGCCTGAGA
 CTGCCCGCTCCGCTTCCGAGGGTTCTGCTACCAGGAGGTGGCAGGTCCCGAGAAGCCCTGGCCCGCT
 GCGTGAGCTGTGTTGCCAGTGGCTGCAGCCTGAGGCACACTCCAAGGAGCAGATGCTGGAGATGCTGGTG
 CTGGAGCAGTTCTCGGGCACACTGCCTCCCGAGATCCAGGCCTGGGTGCGCGGTACGCGCCAGGCAGTC
 CTGAGGAGGCCGCTGCCCTAGTCGAAGGACTGCAGCATGACCCTGGGCAACTGTTGGGCTGGATCACAGC
 CCATGTCTGAAGCAGGAGGTGCTCCCTGCAGCCAGAAGACAGAGGAACCACTTGGGAGCCCCACCCC
 TCAGGGACAGTGGAGTCCCCTGGGAAGGTCCCAGGACACCAGAATAGAGGGGTCTGTCCAGCTCAGCT
 GCAGTGTGAAGGAGGAGCCCAATGTCGATGGACAGGAAGTGGCACCTCCAGCCCTCCACTTGCAGCACA
 GTCCCCTGAGGGGAACCATGGACACCAAGAACCAGCCTCCACATCCTTCCACCCACCCAGGATTCAGGAG
 GAGTGGGGGTGCTGGACCGGTACAGAAGGAAGTGTACTGGGATGCGATGCTGGAGAAGTACGGCACAG
 TGGTCTCCCTGGGGTTACCGCCCCACCAGCCAGAGGCACAGGCCAGTCAGAGCTGGGGATGCTGCTCAC
 GGGGACAGGCGTCTGCAGAAGCCTGCGCTCGGGAAATGAGAGTGAGGGTCCACCTGGCTGCCAGAGGCC
 CAGCCGCCCCAGGGCCAGGGCCGCGCAGCTGGGAGGGCTTGTCTGGGGCTGCCACTCCTGCCCCCACTG
 TGCGCCAGGGACACCGCCAGTGCCTCAGCCACACCTGCAGAGACGAGACTGGAGCCGGCTGCCAC
 CCCCAGGAAGCCCTACAGTGCAGCAGTGTGGCCGCGGCTTCTGACTGGAAGTCACTGTTCTGTCATCCAC
 CACCGGACACACAGAGTGGGCCAGGTGTGAGTCCCCGGGCTAGCCACCGGGGAAAGCACAGAGAAGC
 CACCACAAGGGGAGGTGGCCTTTCCGCACACCCCCGACGCTCACTCACGGGCCCCGGAGTTACCCGTG
 TGAGGAGTGCAGGTGACGCTTCACTGGAAGTGCAGCTGGTCACTCCACCGCAAGAGCCACACAGGCCAG
 CGGCGTCACTTCTGAGTGAAGTGTGGCCGCGCTTCTGACTGGAAGTGCAGCTGGTCACTCCACCGCAAGG
 GCCACCGGCCGAGGTTCCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

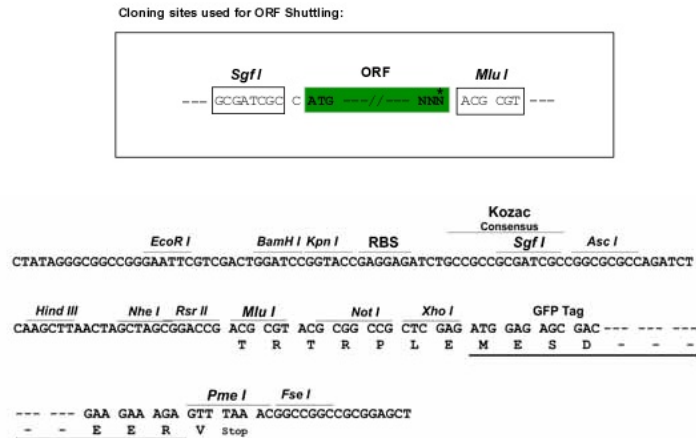
>RG223768 representing NM_017908
 Red=Cloning site Green=Tags(s)

MPSPLGPPCLPVMDPETTLEETARLFRGFCYQEVAGPREALARLRELCCQWLQPEAHSKEQMLEMLV
 LEQFLGTLPEIQAWVRGQRPSPPEEAAALVEGLQHDPGQLLGWITAHVLKQEVLPAAQKTEEPLGSPHP
 SGTVESPGEGPDTRIEGSVQLSCSVKEEPPNVDGQEVAPSSPPLAAQSPGNGHGHQEPASTSFHPRIQE
 EWGLLDRSQKELYWDAMLEKYGTVVSLGLPPHQPEAQSELGMLLTGTGVCRLRSGNESEGPPGCPEA
 QPPQGPAPAAWGLSGAATPAPTVPPTPPVPTQPTAETRLPAATPRKPYTCEQCGRGFDWKSQVFIH
 HRTHTSGPGVQSPGLATGESTEKPPQGEVAFPHHPRSLTGPRSYPCCECGCSFSWKSQVVIHRKSHTGQ
 RRHFCSDCGRAFDWKSQVVIHRKGHRPEVP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_017908

ORF Size: 1350 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_017908.2](#)

RefSeq Size: 1998 bp

RefSeq ORF: 1353 bp

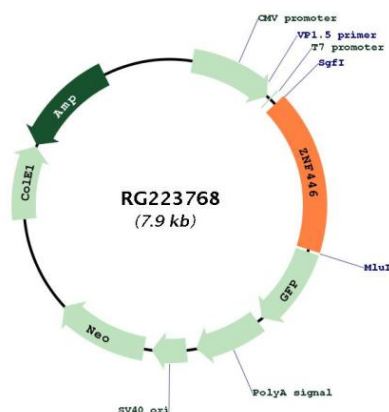
Locus ID: 55663

UniProt ID: [Q9NWS9](#)

Cytogenetics: 19q13.43

Domains: KRAB, LER, zf-C2H2
Protein Families: Transcription Factors
Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223768