

Product datasheet for **RG233872**

ZNF586 (NM_001204814) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF586 (NM_001204814) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF586
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233872 representing NM_001204814 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGAGACCTTGACACTTATATCCTCCCTGGGTTGTTGGCATGGAGGGGAAGATGAGGCAGCACCTT
CTAAGCAGAGCACGTGTATACATATACAAAGACCAGGGAGGTCATAGTGGAGAAAGGCCTTATGAGTG
TGGGGAATATAGGAAATTATTTAAGAACAAGTCCTGCCTCACTGAACCCAGAAGAGATCACAAACACAGG
AATGTTTCGCACTGGAGAAAGGCCTTATGAGTGCAGCAAATATGGGAAATTATTTACCAAAGCCTACAC
TCCATATTATGAGAGATTTCACTACTGGGCAAAAGACCTATGAGTGCAGTGAGTGTGAAAATCATTTC
CCAAAGCTCTTCACTCTTGCAAGCCTCAGACACTTCACTAGAGAAAGGCCTTATGAGTGATTGAATGT
GGGAAAGCCTTTGCTGAAAAGTCCAGTCTCATTAAACACAGGAAAGTTCCTCTGGAGCAAAGCGTTATG
AATGCAATGAATGTGGGAAGTCCTTTGCTTATACATCTAGTCTCATTAAACACAGGAGGATTACACTGG
AGAGAGGCCTTATGAGTGCAGTGAATGTGGGAGATCCTTTGCTGAAAACCTCAGTCTTATTAACACTTG
AGAGTTCACACAGGAGAAAGGCCTTATGAATGCGTTGAGTGTGAAAATCATTTCGCCGAAGCTCTTCAC
TCTTGCAATCAGAGAGTTCACACTAGAGAAAGGCCTTATGAATGTAGTGAATGTGGGAAATCCTTTAG
CTTAAGGTCCAACCTCATTACCATCAGCGAGTTCATACTGGAGAAAGGCATGAGTGCAGGAGTGTGGG
AAATCCTTTAGCCGAAAATCTAGCCTTATTATACATCTGAGAGTTCACACTGGAGAAAGGCCTTATGAGT
GCAGTGACTGTGGGAAATCCTTTGCTGAAAACCTCAGCCTTATTAACACTTGAGAGTTCACACTGGAGA
AAGGCCATATGAATGCATTGATTGTGAAAATCATTTCGCCACAGTTCCTCGTCCGTCGCCATCAGAGA
GTTCACTGGAATGAGGCCTTATAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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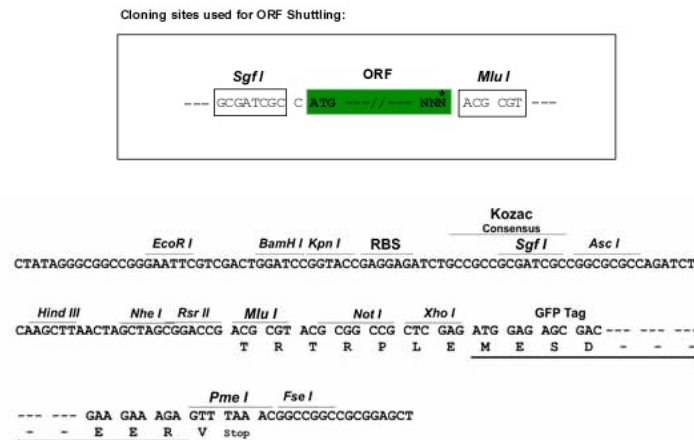
Protein Sequence: >RG233872 representing NM_001204814
 Red=Cloning site Green=Tags(s)

MLETLTLISSLCGWHGGEDEAAPSKQSTCIHIYKDQGGHSGERPYESGEYRKL FKNKSCLTEPRRDHKHR
 NVRTGERPYECSKYGKLFHQKPTLHIHERFHTGQKTYECSECGKSFHQSSLLQRQTLHTRERPYECIEC
 GKAFAEKSSLINHRKVHSGAKRYECNECGKSFAYTSSLIKHRRHTGERPYECSECGRSFAENSSLIKHL
 RVHTGERPYECVECGKSFRRSSLLQHQRVHTRERPYECSECGKSFSLRSNLIIHQRVHTGERHECGQCG
 KSFSRKSSLIHLRVHTGERPYECSDCGKSFENSSLIKHLRVHTGERPYECIDCGKSFRRHSSFRRHQR
 VHTGMRPYK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001204814

ORF Size: 1077 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_001204814.1](#), [NP_001191743.1](#)

RefSeq Size: 2285 bp

RefSeq ORF: 1080 bp

Locus ID: 54807

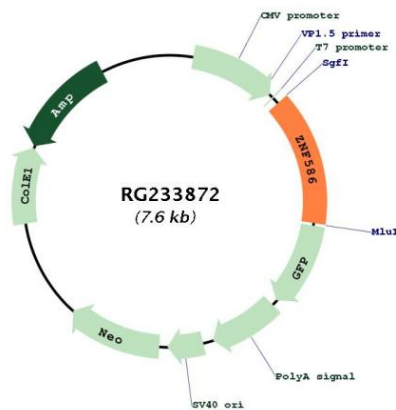
UniProt ID: [Q9NXT0](#)

Cytogenetics: 19q13.43

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG233872