

## Product datasheet for **RG205617**

### ZNF519 (NM\_145287) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | ZNF519 (NM_145287) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                  |
| Symbol:                   | ZNF519                                    |
| Synonyms:                 | HsT2362                                   |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-AC-GFP (PS100010)                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                    |



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**ORF Nucleotide Sequence:**

>RG205617 representing NM\_145287  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAACTCTTAACATTCAGGGATGTGGCCATAGAATTCTCTCCAGAAGAGTGGAATGCCTAGACCCTG  
 CCCAACAGAATTTATATAGAGATGTGATGTTGGAGAACTACAGAAACCTCGTCTCCCTGGCTGTGTATTC  
 TTATTACAACCAAGGCATTTTACCAGAGCAAGGCATACAAGATTCATTCAAAAAGCAACTGGGAAGA  
 TATGGGAGCTGTGGCCTTAAAAATATATGCTTATGGAAAACTGGGAAAGTATAGGTGAAGGTGAAGGAC  
 AAAAGGAATGTTATAATCTATGTAGCCAATTTTGACAACTAGTCATAACAAACATTTAACTGTGAAAGG  
 AGACAAAGAATATAGAATATTTCCAGAAGAAGCCTCAGTTTCTGTCAGCTGCTCCTACAGAACCATGTATT  
 CCTATGAATAAATCAACATAAATTTTTGAAATCTGTCTTTTGAATAAAAAATCAGATAAATTTAAACC  
 ATGACTCAGATATTAGTAAACATCATAGTACTCATTTTCTAGAAAATTTACAATTGTAATGAATGTGA  
 AAAAGTATTTACCAATCCTCAAAGCTTATTTCCCTGAAAATATCCATATTCAGAAAAAGCCTTACAAC  
 TCTAATGAATGTGGTGAAGCTTCTGACCCATTCTCAAAGCTTACTCAACATCAAAGAATTTATATTGGAG  
 AGAGCTCACAAGATGTAATAAAAAATGTATAATAGTCTTTAGTCAATCATCTAAAGGACATAAGAT  
 AATTAACACTGGAGAAAAATCAGTGAATATAAAGAAGCTGGCAAAGCTTTTACCAGGGGCTTACATCTT  
 GGACATCAGAAAAATTCATACTGGAGAGAAACCTTACAAATGTAAAAAATGTGACAAAGCCTTTAAACAAGA  
 GTTCACACCTTGCTCAACATCAGAGAATCCATACTGGAGAGAAGCCTTCAAGTGAAGGAATGTGGCAA  
 AGCTTTTAAACAGAGGCTCATACCTTACTCAACATCAGAGAATCCATACTGGAGAGAGAGCTTTCAAATGT  
 GAAGAATGTGGCAAAGCCTTTAACAGGGGGTCTACCTTACTCAACACCAGAGAATCCATACCGGAGAGA  
 AACCTTTCAGATGTAAGGAATGTGGCAAAGCCTTTAATAGAAGCTCATACGTTACTCAGCATCAGAGAAT  
 GCATACTGGAGAGAAACCTTTCAAGTGTAAAGGAATGTGGCAAAGCTTTTAAACAGAGCTTACACCTTACT  
 CAACATCAGAGAATCCATACTGGAGAGAAACCTTCAAATGTAAGAATGTGGCAAAGCCTTTAACAGGG  
 GCTCACACCTTACTCGACATCAAAGAATCCATACTGGAGAGAAGTCTTTCAAATGTGAAGAATGTGGCAA  
 AGCTTTTATCTGGGGCTCACACCTTACTCAACATCAGAGAGTCCATACTGGAGAGAAATCTTCAAATGT  
 AAAGAATGTGGCAAAGCCTTTACCAGGAGCTCACACCTTACTCAACATCAGAGAATTCATACTGGAGAGA  
 AACCTTTCAAATGTAAGAATGTGGCAAAGCCTTTAACAGACGCTCAACCCTTACTCAACATCAAATAAT  
 TCATACCAGG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG205617 representing NM\_145287  
 Red=Cloning site Green=Tags(s)

MELLTFRDVAIEFSPEEWKCLDPAQQNL YRDVMLENYRNLVSLAVYSYNNQILPEQGIQDSFKKATLGR  
 YGSCGLENICLWKNWESIGEGEQKECYNLCSQYLTTSHNKHLTVKGDKEYRIFQKKPQFLSAAPTEPCI  
 PMNKYQHKFLKSVFCNKNQINFNHSDISKHHSTHFLENYYNCNECEKVYQSSKLIFPENIHIQEKPYN  
 SNECGETSDPFSKLTQHQR IYIGESSQRCKKCIIVFSQSHLKGHKIINTGEKSVKYKERGKAFTRGLHL  
 GHQKIHTGEKPYKCKKDKAFNKSSHLAQHQR IHTGEKPFKCKEKGAFNRGSYL TQHQR IHTGERAFKC  
 EECGKAFNRGSYL TQHQR IHTGEKPFKCKEKGAFNRSSVYV TQHQR MHTGEKPFKCKEKGAFNRASHLT  
 QHQR IHTGEKHFKCKEKGAFNRGSHL TRHQR IHTGEKSFKCEECGKAF IWGSHL TQHQR VHTGEKFFKC  
 KECGKAF TRSSH L TQHQR IHTGEKPFKCKEKGAFNRSTLTQHQR IHTR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_145287

**ORF Size:** 1620 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\\_145287.2](#)

**RefSeq Size:** 2001 bp

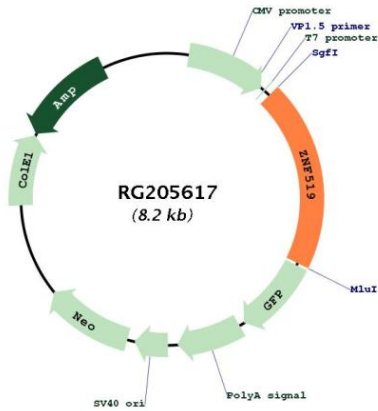
**RefSeq ORF:** 1623 bp

**Locus ID:** 162655

**UniProt ID:** [Q8TB69](#)

Cytogenetics: 18p11.21  
 Domains: KRAB, zf-C2H2  
 Protein Families: Transcription Factors  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG205617