

## Product datasheet for **RG216123**

### ZNF121 (NM\_001008727) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF121 (NM_001008727) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF121
Synonyms:	D19S204; ZHC32; ZNF20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216123 representing NM_001008727 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGAAATCCACAATGGAGGGGAACCTGTGACTTTATGGAAAATGGAGAAATCTTCAGTGAACACT  
CATGCCTTAATGCACACATGGGAACGAAAATACAGGGGACACTTATGACTGTGATGAGTATGGAGAAAA  
CTTTCCCATGTTACACAACAGTCCCCCTGCTGGAGAGACACTTTCTGTGTTGAATCAGTGCAGAAAAGCC  
TTCAGCCTGCCACCAAATGTTACCAGAGAACGTGGATAGGAGACAAATCCTTTGAATACAGTACTGTG  
AGGAAGCCTTTGTTGATCAGTCACATCTTCAGGCAAATAGGATAACTCACAATGGAGAAACACTCTATGA  
ACAGAAGCAATGTGGGAGAGCTTTACTTACTCCACAAGCCATGCTGTGCTGTTAAAATGCATACTGTA  
GAAAAACCTACGAATGTAAGGAATGTGGAAAATTCCTTTAGATATCTTCATATCTTAATAGTCACATGC  
GAACCCATACTGGGAGAAAACCCATGAATGTAAGGAATGTGGAAAATGCTTCACTGTTTCTTCACACCT  
AGTTGAACATGTAAGAAATCATACTGGAGAGAAACCTTATCAATGTAAGGAATGTGGAAGAGCCTTCGCT  
GGGCGCTCAGGCCTTACTAAACATGTACGAATACACACTGGAGAGAAGCCCTATGAATGTAACGAATGTG  
GAAAAGCCTACAATAGGTTTTATCTACTAACTGAACATTTTAAAACCTCACACAGAGGAGAAGCCCTTTGA  
ATGTAAGGTATGTGAAAATCCTCAGAAGCTCTTCATGCCTTAAAGATCACTTTAGAATTCACACTGGA  
ATAAAACCTATAAATGTAAGGAGTGTGGAAAGCATTCACTGTTTCTCAAGCTTACATAATCATGTAA  
AAATCCATACTGGAGAGAAGCCCTATGAATGTAAGGACTGTGGAAAGCCTTTGCTACATCTTCACAAC  
CATTGAACATATAAGAACTCACACTGGAGAGAAAACCGTATATATGTAAGGAATGTGGAAAACCTTCCGT  
GCTTCTTCACATCTACAGAAACATGTTAGAATTCACACTGGAGAGAAAACCTATATATGTAACGAATGTG  
GAAAAGCCTACAATAGATTTTATTTACTTACTAAACATTTAAAAACACAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG216123 representing NM\_001008727  
 Red=Cloning site Green=Tags(s)

MAEIHNGGELCDFMENGEIFSEHSCLNAHMGTEENTGDTYDCDEYGENFPMLHNSAPAGETLSVLNQCCKA  
 FSLPPNVHQRTWIGDKSFEYSDCEEAFVDQSHLQANRITHNGETLYEQKQCGRFTYSTSHAVSVKMHTV  
 EKPYECKECCGKFFRYSSYLNSHMRTHTEKPYECKECCGKCFVSSHLVEHVRIHTGEKPYQCKECCGRAFA  
 GRSGLTKHVRIHTGEKPYECNECCGKAYNRFYLLTEHFKTHTEKPFVECKVCGKSFRRSSSLKNHFRIHTG  
 IKPYKCKECCGKAFVSSSLHNVKIHTGEKPYECKDCGKAFATSSQLIEHIRTHTGEKPYICKECCGKTFR  
 ASSHLQKHVRIHTGEKPYICNECCGKAYNRFYLLTKHLKTH

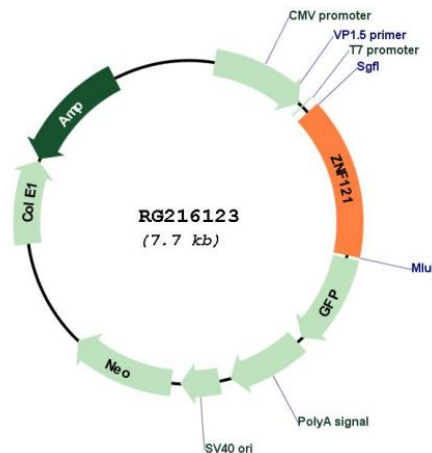
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001008727

<b>ORF Size:</b>	1170 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001008727.5</a>
<b>RefSeq Size:</b>	1735 bp
<b>RefSeq ORF:</b>	1173 bp
<b>Locus ID:</b>	7675
<b>UniProt ID:</b>	<a href="#">P58317</a>
<b>Cytogenetics:</b>	19p13.2
<b>Gene Summary:</b>	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]