

Product datasheet for **RG216123**

ZNF121 (NM_001008727) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAAATCCACAATGGAGGGGAACCTGTGACTTTATGGAAATGGAGAAATCTTCAGTGAACACT
CATGCCTTAATGCACACATGGGAATGAAATACAGGGGACACTTATGACTGTGATGAGTATGGAGAAAA
CTTCCCATGTTACACAACAGTGCCCTGCTGGAGAGACACTTTCTGTGTTGAATCAGTGCAGAAAAGCC
TTCAGCCTGCCACCAATGTTACCCAGAGAACGTGGATAGGAGACAAATCCTTTGAATACAGTACTGTG
AGGAAGCCTTTGTTGATCAGTCACATCTTCAGGCAATAGGATAACTCACAATGGAGAAACACTCTATGA
ACAGAAGCAATGTGGGAGAGCTTTTACTTACTCCACAAGCCATGCTGTGCTGTTAAATGCATACTGTA
GAAAAACCCTACGAATGTAAGGAATGTGGAAATTCCTTAGATATCTTCATATCTTAATAGTCACATGC
GAACCCATACTGGGAGAAACCCTATGAATGTAAGGAATGTGGAAATGCTTCACTGTTTCTTCACACCT
AGTTGAACATGTAAGAATTCATACTGGAGAGAAACCTTATCAATGTAAGGAATGTGGAAGAGCCTTCGCT
GGGCGCTCAGGCCTTACTAAACATGTACGAATACACACTGGAGAGAAGCCCTATGAATGTAACGAATGTG
GGAAAGCCTACAATAGGTTTTATCTACTAAGCAATTTTAAACTCACACAGAGGAGAAGCCCTTTGA
ATGTAAGGTATGTGGAAATCCTTCAGAAGCTCTTCATGCCTTAAGAATCACTTTAGAATTCACACTGGA
ATAAAACCCTATAAATGTAAGGAGTGTGGAAAGCATTCACTGTTTCTCAAGCTTACATAATCATGTAA
AAATCCATACTGGAGAGAAGCCCTATGAATGTAAGGACTGTGGAAAGCCTTTGCTACATCTTCACAAC
CATTGAACATATAAGAATCACACTGGAGAGAAACCGTATATGTAAGGAATGTGGAAAACCTTCCGT
GCTTCTTCACATCTACAGAAACATGTTAGAATTCACACTGGAGAGAACCCTATATGTAACGAATGTG
GGAAGCCTACAATAGATTTTATTTACTTACTAAACATTTAAAAACACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



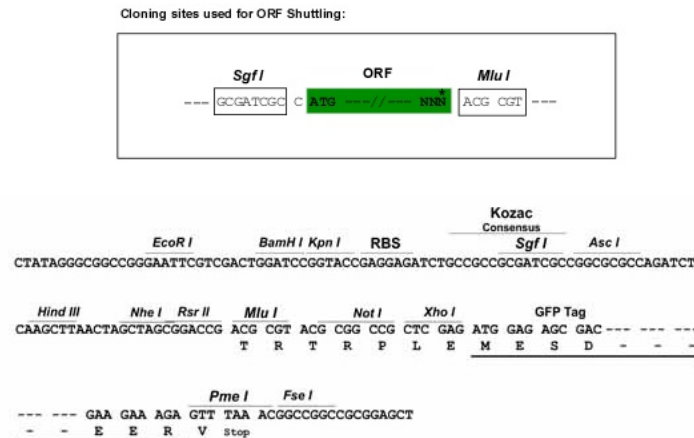
Protein Sequence: >RG216123 representing NM_001008727
 Red=Cloning site Green=Tags(s)

MAEIHNGGELCDFMENGEIFSEHSCLNAHMGENTGDTYDCDEYGENFPMHNSAPAGETLSVLNQCRKA
 FSLPPNVHQRTWIGDKSFEYSDCEEAFVDQSHLQANRITHNGETLYEQKQCRAFTYSTSHAVSVKMHTV
 EKPYECKEKGKFFRYSSYLNSHMRTHTEKPYECKEKGKCFVSSHLVEHVRIHTGEKPYQCKEKGRAFA
 GRSGLTKHVRIHTGEKPYECNECGKAYNRFYLLTEHFKTHTTEKPFCKVCGKSFRSSSCLKNHFRIHTG
 IKPYKCKEKGKFTVSSSLHNVKIHTGEKPYECKDCGKAFATSSQLIEHIRTHTGEKPYICKECKGKTFR
 ASSHLQKHVRIHTGEKPYICNECGKAYNRFYLLTKHLKTH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001008727

ORF Size: 1170 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001008727.5](#)

RefSeq Size: 1735 bp

RefSeq ORF: 1173 bp

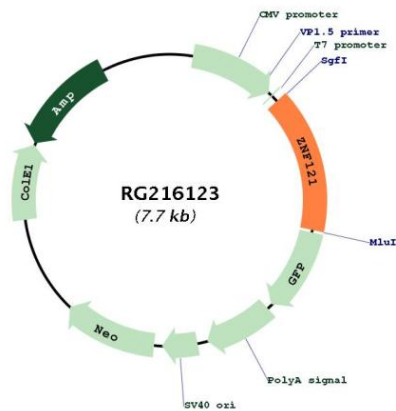
Locus ID: 7675

UniProt ID: [P58317](#)

Cytogenetics: 19p13.2

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

Product images:



Circular map for RG216123