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Product datasheet for RG233899

ZNF821 (NM_001201554) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF821 (NM_001201554) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF821
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG233899 representing NM_001201554
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCCGTCGGAAACAGACAAATCCAAATAAAGTTCACTGTGACAGTGAGGGTGATGAAGAGGAGACGA
CACAAGATGAAGTCTCTTCCCACACATCAGAGGAAGATGGAGGGGTGGTCAAAGTGGAGAAAGAGTTAGA
AAATACAGAACAGCCTGTTGGTGGGAACGAAGTGGTAGAGCACGAGGTCACAGGGAATTTGAATTCTGAC
CCCTTGCTTGAACTCTGCCAGTGTCCCCTCTGCCAGCTAGACTGCGGGAGCCGGGAGCAGTTGATTGCTC
ACGTGTACCAGCACACTGCAGCAGTGGTGAGCGCCAAGAGCTACATGTGTCCTGTCTGTGGCCGGGCCCT
TAGCTCCCCGGGGTCATTGGGTCGCCACCTCTTAATCCACTCGGAGGACCAGCGATCTAACTGTGCTGTG
TGTGGAGCCCGGTTCACCAGCCATGCCACTTTTAACAGTGAGAAACTTCCTGAAGTACTAAATATGGAAT
CCCTACCCACAGTCCACAATGAGGGTCCCTCCAGTGCTGAGGGGAAGGATATTGCCTTTAGTCCTCCAGT
GTACCCTGCTGGAATTCTGCTTGTGTGCAACAACTGTGCTGCCTACCGTAAACTGCTGGAAGCCCAGACT
CCCAGTGTACGCAAGTGGGCTCTACGTCGACAGAATGAGCCTTTGGAAGTACGGCTGCAGCGGCTGGAAC
GAGAGCGCACGGCCAAGAAGAGCCGGCGGGACAATGAGACCCCCGAGGAGCGGGAGGTGAGGCGCATGAG
GGACCGTGAAGCCAAGCGCTTGCAGCGCATGCAGGAGACAGACGAGCAGCGGGCACGCCGGCTGCAGCGG
GATCGGGAGGCCATGAGGCTGAAGCGGGCCAATGAAACCCCGGAAAAGCGGCAGGCCCGGCTCATCCGAG
AGCGAGAGGCCAAGCGGCTCAAGAGGAGGCTGGAGAAAATGGACATGATGTTGCGAGCTCAGTTTGGCCA
GGACCCTTCTGCCATGGCAGCCTTAGCAGCTGAAATGAACTTCTTCCAGCTGCCTGTAAGTGGGGTGGAG
TTGGACAGCCAGCTTCTGGGCAAGATGGCCTTTGAAGAGCAGAACAGCAGCTCTCTGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

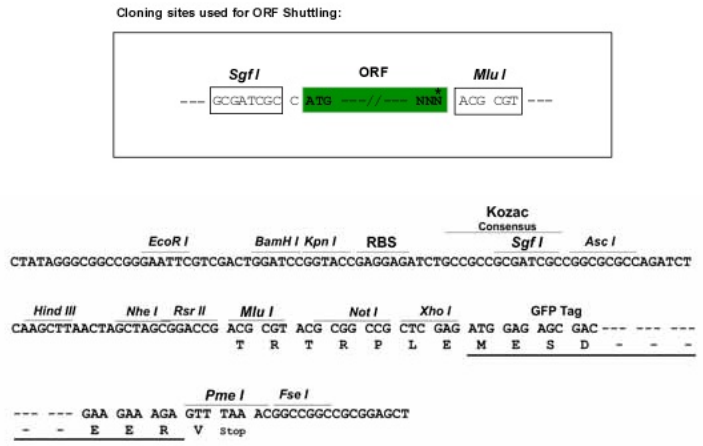
>RG233899 representing NM_001201554
Red=Cloning site Green=Tags(s)

MSRRKQTNPNKVHCDSEGDEEETTQDEVSSHTSEEDGGVVKVEKELENTEQPVGGNEVVEHEVTGNLNSD
PLLELCQCPLCQLDCGSREQLIAHVYQHTAAVVSAKSYMCPVCGRALSSPGSLGRHLLIHSEDQRSNCAV
CGARFTSHATFNSEKLPEVLNMESLPTVHNEGPSSAEGKDIAFSPPVYPAGILLVCNNCAAYRKLLEAQT
PSVRKWALRRQNEPLEVRLQRLERERTAKKSRRDNETPEEREVRRMRDREAKRLQRMQETDEQRARRLQR
DREAMRLKRANETPEKRQARLIREREAKRLKRRLEKMDMMLRAQFGQDPSAMAALAAEMNFFQLPVSGVE
LDSQLLGKMAFEEQNSSSLH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001201554

ORF Size: 1110 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).

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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_001201554.1, NP_001188483.1

RefSeq Size: 1894 bp

RefSeq ORF: 1113 bp

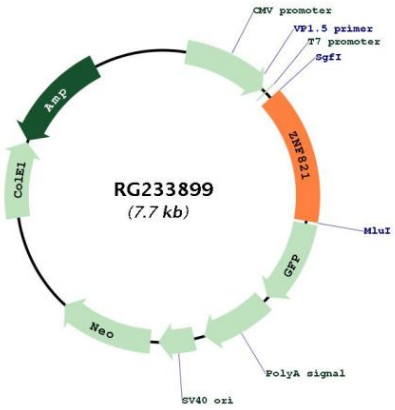
Locus ID: 55565

UniProt ID: O75541

Cytogenetics: 16q22.2

Gene Summary: This gene encodes a protein with two C2H2 zinc finger motifs and a score-and-three (23)-amino acid peptide repeat (STPR) domain. The STPR domain of the encoded protein binds to double stranded DNA and may also contain a nuclear localization signal, suggesting that this protein interacts with chromosomal DNA. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]

Product images:



Circular map for RG233899

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