

Product datasheet for **RG203521**

ZNRF1 (NM_032268) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNRF1 (NM_032268) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNRF1
Synonyms:	NIN283
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203521 representing NM_032268 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGCAAGCAGAGCACGGCGGCCCTCCGGGGCCCTCCGGGGTCTCCACCGATGACAGCG
CCGTGCCCGCCGGGAGGGGCGCCCATTTGGGCACTACCGGACGGCGGGGGCCATGGGGCTGCG
CAGCCGCTCGGTCAGCTCGGTGGCAGGCATGGGCATGGACCCAGCACGGCCGGGGGGTGCCTTTGGC
CTCTACACCCCGCTCCGGGGCACGGCGACTCCGAGAGGGCGCCGGCGGGAGGGTCTGCGTCCG
ACTCCACCTATGCCCATGGCAATGGTTACCAGGAGACGGCGGGCGGTACCATAGAGACGGGATGCTGTA
CCTGGGCTCCCGAGCCTCGTGGCGGATGCTCTACCTCTGCACATCGCACCCAGGTGGTTCAGCTCGCAT
AGTGGTTTCAAGTGCCCCATTTGCTCCAAGTCTGTGGTCTGTGACGAGATGAAAATGCACTTTATAATGT
GTTTGAGCAAACCTCGCCTCTCCTACAACGATGATGTGCTGACTAAAGACGGGGTGAAGTGTGATCTG
CCTGGAGGAGCTGCTGCAGGGGGACACGATAGCCAGGCTGCCCTGCCTGTGCATCTATCAAAAAGCTGC
ATAGACTCGTGGTTTGAAGTGAACAGATCTTGTCCGGAACACCCTGCGGAC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203521 representing NM_032268
Red=Cloning site Green=Tags(s)

MGGKQSTAARSRGPFPGVSTDDSAVPPPGGAPHF GHYRTGGGAMGLRSRSVSSVAGMGMDPSTAGGVPFG
 LYTPASRGTGDSERAPGGGGASDSTYAHNGYQETGGGHRDGM LYLGSRASLADALPLHIAPRWFSSH
 SGFKCPICSKSVASDEMFMHFIMCLSKPRLSYNDDVLTKDAGECVICLEELLQGD TIARLPCLCIYHKSC
 IDSWFEVNRSCPEHPAD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032268

ORF Size: 681 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_032268.5](#)

RefSeq Size: 4633 bp

RefSeq ORF: 684 bp

Locus ID: 84937

UniProt ID: [Q8ND25](#)

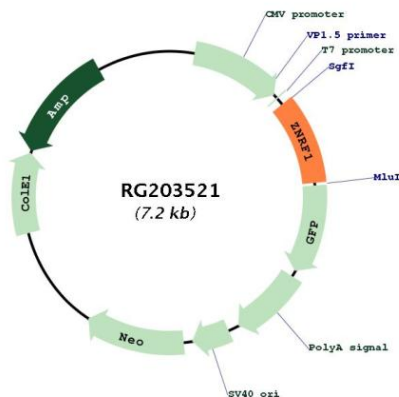
Cytogenetics: 16q23.1

Domains: RING

Protein Families: Druggable Genome

Gene Summary: This gene encodes an E3 ubiquitin-protein ligase that plays a role in neural-cell differentiation. Overexpression of this gene causes neurite-like elongation. The encoded protein contains both a zinc finger and a RING finger motif and is localized in the endosome/lysosome compartment, indicating that it may be involved in ubiquitin-mediated protein modification, and in synaptic vesicle membranes in neurons. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RG203521