

Product datasheet for **RG202295**

ROGDI (NM_024589) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ROGDI (NM_024589) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ROGDI
Synonyms:	KTZS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202295 representing NM_024589 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACCGTGATGGCAGCGACGGCGGGAGCGGGCGGTGCTGGAGGAGGAGTCCGCTGGCTGCTGC
ACGACGAGGTGCACGCTGTGTTGAAGCAGCTGCAGGACATCCTCAAGGAGGCCTCTCGCCTTCACTCT
GCCGGCTCCGGCACTGAGGGGCCCGCAAGCAAGAGAATTCATCCTAGGCAGCTGTGGCAGACCCAG
GTGAAGGGTGTGCTGACTCTGCAGGGGATGCCCTCAGCCAGCGGATGTGAACCTGAAGATGCCCGGA
ACAACCAGCTGCTGCACTTCGCCTTCGGGAGGACAAGCAGTGAAGCTGCAGCAGATCCAGGATGCCAG
AAACCATGTGAGCCAAGCATTACCTGCTTACCAGCCGGGACCAGAGCTACCAGTCAAGACAGGCGCT
GAGGTCCTCAAGCTGATGGACGCAGTGATGCTGCAGCTGACCAGAGCCGAAACCGGCTCACCACCCCG
CCACCCTCACCCTCCCGAGATCGCCGCCAGCGCCTCACGCGGATGTTCCGCCCTGCCCTGCCGTCGA
CCTGCTGGTCAACGTCTACATCAACCTCAACAAGCTCTGCCTCACGGTGTACCAGCTGCATGCCCTGCAG
CCCAACTCCACCAAGAATTCCGCCAGCTGGGGCGCGGTGCTGCATAGCCCTGGGGCCATGTTTCGAGT
GGGGCTCTCAGCGCTGGAGGTGAGCCACGTGCACAAAGTGGAGTGCCTGATCCCTGGCTCAACGACGC
CCTGGTCTACTTCACCGTCTCCCTGCAGCTCTGCCAGCAGCTCAAGGACAAGATCCTCGTGTCTCCAGC
TACTGGAGCTACAGACCCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202295 representing NM_024589
Red=Cloning site Green=Tags(s)

MATVMAATAAERAVLEEEFRWLLHDEVHAVLKQLQDILKEASLRFTLPGSGTEGPAKQENFILGSCGTDQ
 VKGVLTLQGDALSQADVNLKMPRNNQLLHFAFREDKQWKLQQIQDARNHVSQAIYLLTSRDQSYQFKTGA
 EVLKLMDAVMLQLTRARNRLTPATLTLPEIAASGLTRMFAPALPSDLLVNVYINLNKCLTVYQLHALQ
 PNSTKNFRPAGGAVLHSPGAMFEWGSQRLEVSHVHKVECVIPWLNDAALVYFTVSLQLCQQLKDKISVFFSS
 YWSYRPF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024589

ORF Size: 861 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_024589.1](#), [NP_078865.1](#)

RefSeq Size: 1474 bp

RefSeq ORF: 864 bp

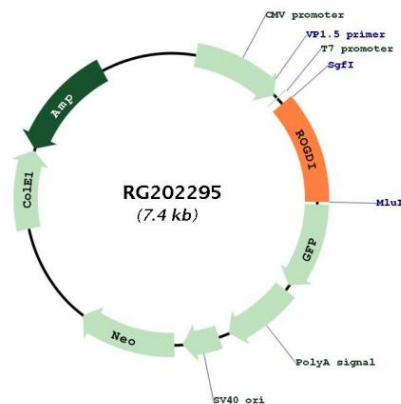
Locus ID: 79641

UniProt ID: [Q9GZN7](#)

Cytogenetics: 16p13.3

Gene Summary: This gene encodes a protein of unknown function. Loss-of-function mutation in this gene cause Kohlschutter-Tonz syndrome. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012]

Product images:



Circular map for RG202295