

## Product datasheet for RR213796L4

## Fgfr3 (NM\_053429) Rat Tagged Lenti ORF Clone

## **Product data:**

## OriGene Technologies, Inc.

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| Product Type:                | Expression Plasmids  |
|------------------------------|--|
| Product Name:                | Fgfr3 (NM_053429) Rat Tagged Lenti ORF Clone   |
| Tag:                         | mGFP   |
| Symbol:                      | Fgfr3  |
| Mammalian Cell<br>Selection: | Puromycin  |
| Vector:                      | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| E. coli Selection:           | Chloramphenicol (34 ug/mL)   |
| ORF Nucleotide<br>Sequence:  | The ORF insert of this clone is exactly the same as(RR213796).                             |
| <b>Restriction Sites:</b>    | Sgfl-Mlul  |
| Cloning Scheme:              |  |
|                              | Cloning sites used for ORF Shuttling:<br>Sgf I ORF Mlu I<br>GCG ATC GCC ATG // NNN ACG CGT |
|                              | Kozak<br>Consensus   |

 EcoR I
 BamH I
 RBS
 Sgf I
 ORF

 CTATAGGGCGGCCGGGAATCGCTGGATCGGATCGGGTACCGGAGAGATCGCCGCGGGAATCGC C
 ATG
 ...
 ...

 ...
 Mlu I
 Not I
 Xho I
 mGFP Tag

 ...
 ...
 T
 R
 T
 R
 AGG CGT CGC CGC CGC GGG GGG CGC ...

--- GGA CTC AGA GTT TGG GTA GGA AGC

\* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM\_053429 2400 bp



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| <b>Gene</b> Fgfr3 (NM_053429) Rat Tagged Lenti ORF Clone – RR213796L4 |  |
|---|--|
| 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. <u>More info</u>                                  |
| 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:  | <ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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> |
| RefSeq:   | <u>NM 053429.1, NP 445881.1</u>  |
| RefSeq Size:  | 3187 bp  |
| RefSeq ORF:   | 2403 bp  |
| Locus ID:   | 84489  |
| Cytogenetics:   | 14q21  |
| Gene Summary:   | may play a role in regulation and differentiation of various cell types, in the processes of regeneration, angiogenesis, and chemotaxis [RGD, Feb 2006]  |

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